



भारत का राजपत्र The Gazette of India

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नई दिल्ली, शनिवार, मई 1, 1993 (वैशाख 11, 1915)

No. 18]

NEW DELHI, SATURDAY, MAY 1, 1993 (VAISAKHA 11, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 1st May 1993

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Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
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New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

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Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
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5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order payable to the Controller at the appropriate Offices or by bank draft or cheque, to payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 1 मई 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा चम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परले (पश्चिम)
चम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा
दीव एवं दादरा और नगर हवेली।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
महाराष्ट्र बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिक्काय तथा एमिनिदिवि द्वीप।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता—“पेटेंटोफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
डाक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा चेक द्वारा की जा सकती है।

APPLICATION FOR PATENTS FILED AT THE
OFFICE BRANCH,
MUNICIPAL MARKET BUILDING, IIIRD FLOOR,
KAROL BAGH, NEW DELHI-110 005

1st February, 1993

85/Del/93 Centre stephanois de recherches mechaniques hy-
dromechanique et frottement, “Process for phos-
phating steel parts to improve corrosion and
wear resistance”.

2nd February, 1993

86/Del/93 ELF atochem S.A., “Process for inclusion in
meth) acrylic resins of substances of liquid to
solid consistency”.

87/Del/93 The Procter & Gamble company, “Process for
making detergent granules by naturalisation of
sulphonic acids”. (Convention date 14-02-1992)
(U.K.).

88/Del/93 Research development foundation, “Photo-devio-
meter”.

3rd February, 1993

89/Del/93 Kamalamma ramanadhan, “Collision accident
passenger safety system (caps system) with
reflex safetylock device”.

90/Del/93 The Procter & Gamble company, “Multifunc-
tional device for receiving and dispensing a
pourable product and closing a flexible bag”.
(Convention date 03-02-1992) (U.K.).

91/Del/93 Erno Raumfahrttechnik GmbH., “Apparatus for
damping vibration, especially in containers”.

92/Del/93 General Electric Company, “Dry low nox multi-
nozzle combustion liner cap assembly”.

4th February, 1993

93/Del/93 Rajasri, “Versatile plough cart ‘DUKKI BANDI’.

94/Del/93 Purolator India Limited. “A fuel and lubrica-
tion oil filter.

95/Del/93 Serg Maini, “A multimould manual press”.

96/Del/93 Dorr-Oliver Incorporated, “High pressure screen
shower”.

97/Del/93 Dorr-Oliver Incorporated, “Automatic control
system for diaphragm pumps”.

5th February, 1993

98/Del/93 Megapulse Inc., “High-power rf switch”.

99/Del/93 The Procter & Gamble Company, “Spray pump
package employing multiple orifices for dispen-
sing liquid in different spray patterns with auto-
matically adjusted optimized pump stroke for
each pattern”.

100/Del/93 Alcoa of Australia Limited, "Process for the treatment of red mud". (Convention date 06-02-92) (Australia).

101/Del/93 Aktiebolaget Astra, "Novel antioxidants".

APPLICATION FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH,
61, WALLAJAH ROAD, MADRAS-600 002

22nd February, 1993

130/Mas/93 S. Murugesan & S. Rajarajan. Energy on two wheelers by weight and pedaling.

131/Mas/93 S. Murugesan & S. Rajarajan. Energy on two wheelers by weight.

132/Mas/93 Yogendra Hunsur Sanjeeva Shetty. Portable smoke tube boiler and domestic boilers.

23rd February, 1993

133/Mas/93 Reiter Ingolstadt Spinnereimaschinenbau Aktiengesellschaft. A method and apparatus for open-end spinning.

134/Mas/93 Philip Morris Products Inc. Method and apparatus for applying a material to a web.

135/Mas/93 Nu-Pipe, Inc. A replacement pipe product for insertion into an existing conduit and a method and apparatus for manufacturing the same. (Divisional to Patent Application No. 274/Mas/89).

24th February, 1993

136/Mas/93 Rhone-Poulenc Chimie. Process for the preparation of P-Aminophenols.

137/Mas/93 BASF Aktiengesellschaft. The concentration of process water and purification of off-gas.

138/Mas/93 Owens-Illinois Plastic Products Inc. Plastic container made from a fusion blend of post consumer plastic and ethylene polymers.

139/Mas/93 Hoechst Aktiengesellschaft. Process for preparing sulfonylureas.

140/Mas/93 Pacific Chemical Co., Ltd. Patches for percutaneous administration of skin-whitening materials.

25th February, 1993

141/Mas/93 Maschinenfabrik Rieter AG. Lifting device.

142/Mas/93 Turbine Blading Limited. Turbine blade repair (February 27, 1992; United Kingdom).

26th February, 1993

143/Mas/93 V. V. Thanga Thirupathy. Pulling Circularly and tilting washing machine.

144/Mas/93 SMS Schloemann-Siemag Aktiengesellschaft. Method and apparatus for straightening H-shaped girder sections.

145/Mas/93 SMS Schloemann-Siemag Aktiengesellschaft. Roll Stand.

146/Mas/93. Hoechst Aktiengesellschaft. Process for the preparation of a spherical catalyst component.

147/Mas/93 Formica Espanola, S.A. Improved method of producing high abrasion resistant surface sheets.

148/Mas/93 Carnaudmotal Box PLC (formerly CMB Food-can plc) Laminated metal sheet (March 6, 1992; United Kingdom).

149/Mas/93 Engineer & Co. An adaptor for a plough.

1st March, 1993

150/Mas/93 Bimetal Bearings Limited. Process for overlay plating on steel backed aluminium alloy bimetallic bearing strips for I.C. engines and other bearing surface applications.

151/Mas/93 Michelin Recherche Et Technique SA. Tire uniformity correction without ginding.

152/Mas/93 Biochemie Gesellschaft MBH. Process for the production of clavulanic acid salts.

2nd March, 1993

153/Mas/93. V. V. Thanga Thirupathy. Hanging and dumping in all directions wet and dry grinder.

154/Mas/93 Chevron Research and Technology Company. Lubricating oil compositions for internal combustion engines having silver bearing parts.

155/Mas/93 Pall Corporation. Filter and method for obtaining platelets.

156/Mas/93 Dana Corporation. Ultraviolet radiation curable gasket coating.

157/Mas/93 Raychem Corporation. Hybrid fiber in the loop telephony system.

3rd March, 1993

158/Mas/93 Pavuluri Rama Lakshmana Rao. Circuit for automatic automobile head lamp dipping.

159/Mas/93 Institut Francais du Pétrole. A process for the hydrogenation of hydrocarbon charge.

160/Mas/93 The Charles Stark Draper Laboratory Inc. Method and apparatus for detecting skipped stitches for a chainstitch sewing machine.

4th March, 1993

161/Mas/93 Ishihara Sangyo Kaisha, Ltd. Substituted Pyridinesulfonamide compound or its salt, process for preparing the same, and herbicide containing the same.

162/Mas/93 Commonwealth Scientific and Industrial Research Organisation and Siddons Ramset Limited (March 4, 1992; Australia).

163/Mas/93. Westinghouse Brake and Signal Holdings Ltd. A solder joint (March 5, 1992; Great Britain).

5th March, 1993

164/Mas/93 Oliver Rex Anto Emmanuel. A web folder suitable for attaching to equipments such as a printer.

165/Mas/93 Archibald Ian Jeremy Brain. Mould for manufacture of laryngeal mask. (March 5, 1992; United Kingdom).

166/Mas/93 Howard I Podell, David L Podell and Albert Goldstein. Adhesive bondages, wound dressing, sutures, drapes, orthodontic rubber bands, tooth-brushes and the like.

167/Mas/93 Sanyo Electric Co. Ltd. Hermetically sealed electric motor compressor.

8th March, 1993

168/Mas/93 Sultan Ahmed Ismail. Preparation of paste for an anti-inflammatory drug.

169/Mas/93. Sultan Ahmed Ismail. Vermicompost plant.

170/Mas/93. ITW Signode India Limited. A diverter for diverting objects coming from a single line into more than one array or line.

9th March, 1993

171/Mas/93 Thirumalai Anandam Pillai Vijayan. An approval of a detachable softy ice cream attachment for refrigerators.

172/Mas/93 Los Alamos Technical Associates, Inc. Electrolytic cell for generating sterilisation solutions having increased ozone content.

173/Mas/93 Hoechst Aktiengesellschaft. Carboxylic acid esters of 2-amino-7-[(1, 3-dihydroxy-2-propoxy)methyl] purine their preparation and their use.

10th March, 1993

- 174/Mas/93 Dr. R. Gopinath. Device to generate power with motor and generator coupled with standly network.
- 175/Mas/93 Advanced Technologies (Cambridge) Limited. Root Knot nematode resistance. (March 13, 1992; United Kingdom).
- 176/Mas/93 The Dow Chemical Company. A process for preparing a stable formulation containing a radioactive metal-ligand complex and a divalent metal. (Divisional to Patent Application No. 462/Mas/91).
- 177/Mas/93. The Dow Chemical Company. A process for preparing a stable formulation containing radioactive metal-ligand complex and a divalent metal. (Divisional to Patent No. 462/Mas/91).

11th March, 1993

- 178/Mas/93 Pilkington PLC. Oxygen measuring probe. (March 24, 1992; United Kingdom).

12th March, 1993

- 179/Mas/93 Syed Omer. Manufacture of foaming tooth-paste based on milk and the stems of "salvadora Persica" (botanical).
- 180/Mas/93 Merpro Tortek Limited. Well Uplift system. (March 13, 1992; United Kingdom).
- 181/Mas/93 Klockner Stahl GMBH Method and arrangement for reducing the formation of scale during hot deforming of metal, in particular of steel.
- 182/Mas/93 Yale University. Composition and method for whitening skin.

ALTERATION OF DATE

Patent No. 172189 (880/M/90) Ante dated to 29th December, 1986.

Patent No. 172190 (23/M/92) Ante-dated to 3rd February, 1989.

Patent No. 172205 Ante-dated to 20th January, 1987. (944/M/90)

Patent No. 172206 (34/M/91) Ante-dated to 13th April, 1987.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टांकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपर्युक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Class : 172-D₄-[GROUP-XX]
Int. Cl.¹ : B 23 Q 5/00.

172181

IMPROVEMENTS IN OR RELATING TO TRAVELLING CLEANERS FOR USE ON INDUSTRIAL MACHINERIES SUCH AS TEXTILE AND JUTE MILL MACHINERIES.

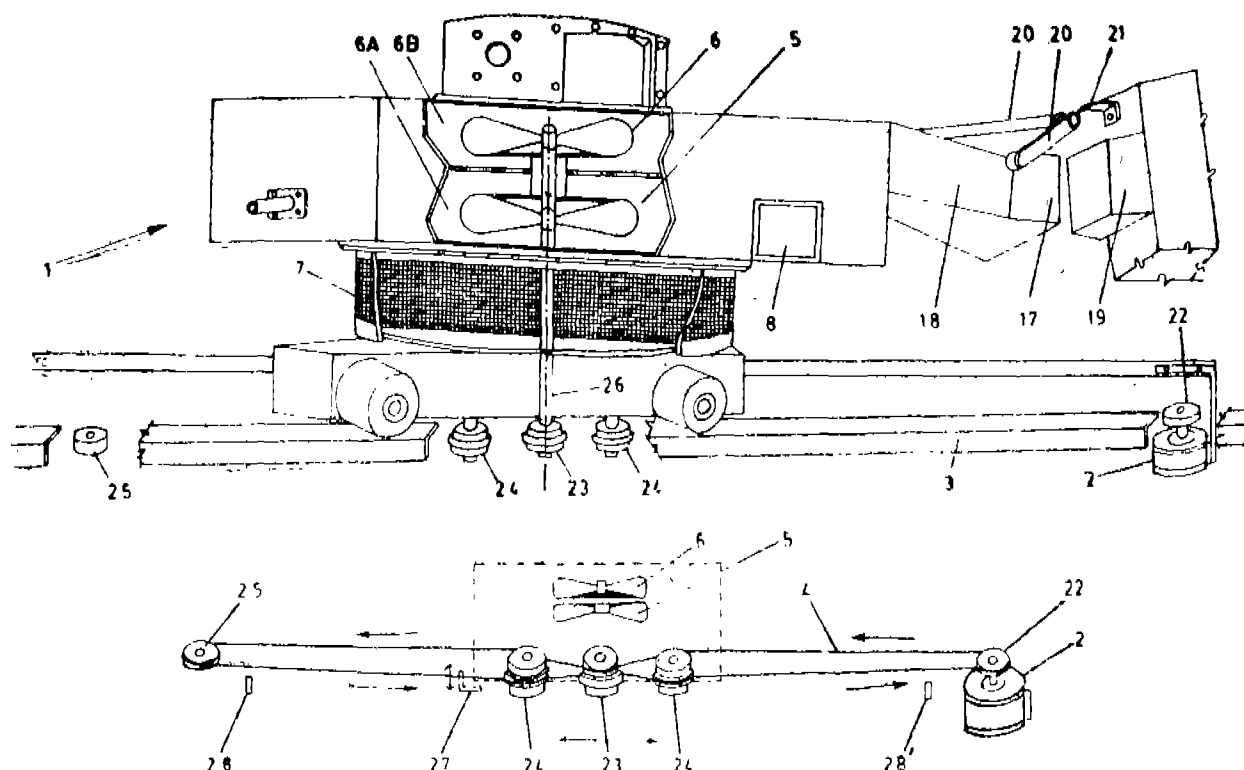
Applicant & Inventor : AVARAMPALAYAM GOPAL-SWAMI NAIDU GOVINDARAJULU, SOLE PROPRIETOR, ALLIED ENGINEERING INDUSTRIES, POST BOX NO. 7011, 36-A, BHARATHI PARK ROAD, S.A.H.S. COLLEGE POST, COIMBATORE-641 043, TAMIL NADU, INDIA, AN INDIAN NATIONAL.

Application No. 852/Mas/88 filed November 30, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

3 Claims

A travelling cleaner for use on industrial machineries, comprising a cleaner unit and a forward-reverse traverse means, said traverse means comprising a stationary drive pulley mounted at one end of said machinery and a stationary driven pulley mounted at the other end of said machinery, an endless belt running between said drive and driven pulleys and driving fan shaft pulley of said cleaner unit and passing through two tension (idle) pulleys loosely mounted on either side of said fan shaft pulley, said fan shaft and tension (idle) pulleys having at least three steps, the middle steps being greater in diameter than the top steps and the bottom steps being lesser in diameter than the middle steps, the belt from the drive pulley being taken through the top steps of said fan shaft and tension (idle) pulleys and the returning belt being taken through either the middle steps or the bottom steps thereof, and a means provided at each said end pulleys to sense the cleaner unit and to actuate a lever means to shift the returning belt from middle steps to the bottom steps or from bottom steps to the middle steps, as desired thereby creating an alternate forward-reverse therein and causing the cleaner unit to travel between the two ends of the machinery.



Comp. 10 pages.

Drgs. 2 sheets

Ind. Cl. : 111 & 155-A&B-[GROUPS-XLII(5)] 172182
XXIII]Int. Cl.⁴ : B 32 B 3/00, B 32 B 31/00.

A REFASTENABLE PRESSURE SENSITIVE ADHESIVE CLOSURE.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, OF 3M CENTER, ST. PAUL, MINNESOTA-55144-1000, U.S.A.

Inventors : (1) ALLEN LEONARD NOREEN (2) DEAN RICHARD CRISSINGER (3) WILLIAM LAWRENCE MELBYE (4) ERIC GEORGE RODGERS (5) ALAN JON SIPINEN (6) LEIGH EARL WOOD.

Application No. 184/Mas/89 filed March 6, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

21 Claims

A refastenable pressure sensitive adhesive closure comprising a pressure-sensitive adhesive-bearing fastening tab and a target portion having a working face for contact with said adhesive-bearing fastening tab, wherein

said working face of said target strip is formed with peaks and valleys,

the height of said peaks above said valleys being substantially uniform and from 40 to 300 μm the spacing between adjacent peaks being from 50 to 500 μm

the back face of said target portion is substantially flat, and the thickness of the adhesive layer of said tab is no more than 90% of the height of said peaks above said valleys.

Comp. 35 pages;

Drgs. 4 sheets

Ind. Cl. : 103-[GROUP-XLV(1)]

172183

Int. Cl.⁴ : C 23 C 16/24.

A METHOD OF MANUFACTURING A COATED MATERIAL SURFACE WITH THIN FILM OF SEMICONDUCTOR MATERIAL.

Applicant : UNISEARCH LIMITED, AN AUSTRALIAN COMPANY, OF 221-227 ANZAC PARADE, KEN-

SINGTON, NEW SOUTH WALES 2033, AUSTRALIA.

Inventors : (1) MARTIN ANDREW GREEN (2) STUART ROSS WENHAM.

Application No. 193/Mas/89 filed March 13, 1989.

Convention date : March 11, 1988; (No. PI 7209; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

19 Claims

A method of manufacturing a coated material surface with thin film of semiconductor material comprising the steps of precipitating the semiconductor material from a solution of the semiconductor material and a metal solvent by keeping it in contact with the said material surface to deposit a layer of semiconductor material onto the said material surface, wherein the solvent is a mixture or alloy of, a first metal which forms a low temperature eutectic with the said semiconductor material at a first metal/semiconductor material eutectic temperature and a second metal, or a mixture of second metals having a melting point below the first metal/semiconductor material eutectic temperature or form a eutectic with said first metal with a second metal/first metal eutectic temperature below the first metal/semiconductor material eutectic temperature.

Compl. specn. 23 pages

Drgs. 12 sheets

Ind. Cl. : 105-C & 168-C&G-[GROUPS-XLI(7) & LI(4)]

172184

Int. Cl.⁴ : G 01 V 1/00.

AN IMPROVED DEVICE FOR GENERATING ACOUSTIC WAVES BY CAUSING A FALLING MASS TO STRIKE A TARGET ELEMENT COUPLED WITH THE WALLS OF A WELL.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, OF 4, AVENUE DE BOISPREAU, 92502, RUEIL-MALMAISON, FRANCE.

Inventor : PATRICK MEYNIER.

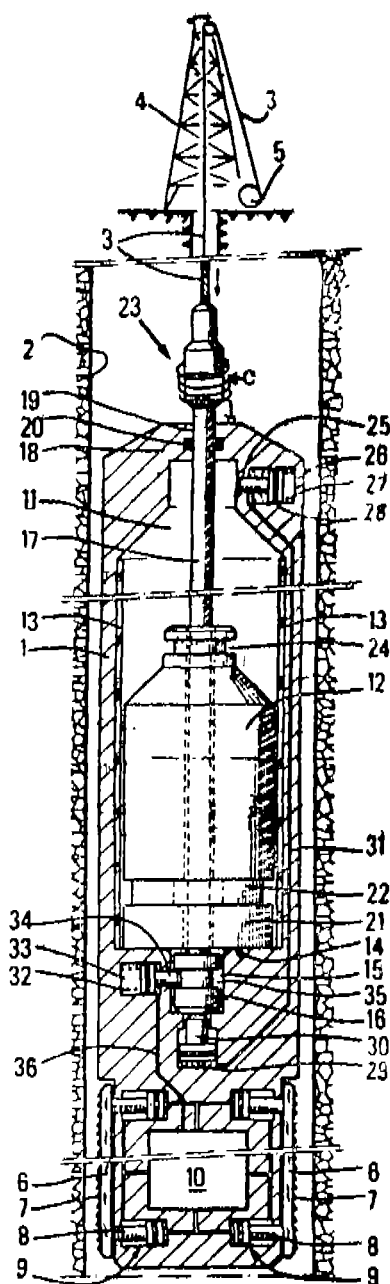
Application No. 199/Mas/89 filed March 15, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

An improved device adapted to be lowered into a well at the end of a connecting element for generating acoustic

waves by causing a falling mass to strike a target element coupled with the wall of the well, comprising an elongate body with a longitudinal chamber, means for moving the mass between a set position and an impact position, retractable anchorage means for coupling the target element intermittently with the wall of the well, resetting means having a support element disposed under the mass and raising means for translating the support element between a bottom position and a top position thereby causing the mass to be translated from said impact position to said set position, and retention means movable for retaining the mass in the set position thereof, characterised in that said raising means has a flexible cable for connecting said support element to drive means disposed outside the well, locking means for locking said support element in the bottom position, a pusher member extending in said chamber at the bottom thereof to be pushed longitudinally when said support member is in the vicinity of its bottom position and coupling means for coupling a displacement of said pusher member under the thrust of the support element to that of said retention means to trip the dropping of the mass.



Ind. Cl.: 165-C-[GROUP-LXVI(7)]
Int. Cl.: D 05 B 3/04.

172185

A DEVICE FOR SELECTIVELY MANIPULATING A LIMP MATERIAL SEGMENT.

Applicant: THE CHARLES STARK DRAPER LABORATORY, INC., INCORPORATED IN THE STATE OF MASSACHUSETTS, U.S.A., OF 555 TECHNOLOGY SQUARE, CAMBRIDGE, MASSACHUSETTS 02139, U.S.A.

Inventor: DONALD C. FLYER.

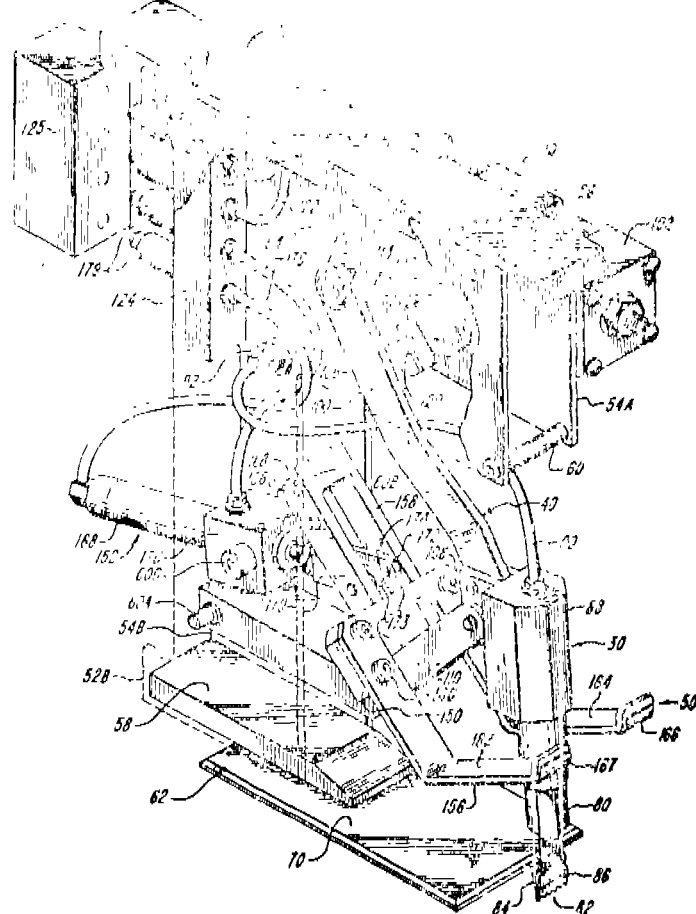
Application No. 204/Mas/89 filed March 16, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A device for selectively manipulating a limp material segment, comprising at least one picker assembly, each said picker assembly consisting:

(A) a body having a base plate; (B) picker having an end effector for selectively grasping and releasing an adjacent surface of a limp material segment in response to an applied grasp/release signal; (C) picker positioning means for positioning said picker with respect to said body, said picker positioning means having (i) a linkage pivotally connected between said body and said picker and constraining motion of an end effector to a path between a segment pick-up position and a segment release position, said segment pick-up position being laterally displaced from said base plate and adjacent to the top segment of a stack, and said segment release position being adjacent to a clamp surface of said base plate, and (ii) first actuator means responsive to an applied pick-up control signal for selectively driving said linkage to move said end effector between said segment pick-up position, and a segment release position; (D) clamp means responsive to an applied clamp/release signal for receiving a segment from said picker at said segment release position; and for clamping said received segment to said base plate, (E) a controller with generating means for generating said grasp/release signal, said pick-up control signal; and said clamp release signal and (F) a support surface for supporting said limp material segment to be manipulated.



Ind. Cl. : 107 H [XLVI(2)]

172186

Int. Cl.⁴ : F 02 M 67/04**PNEUMATIC INJECTION DEVICE.**

Applicant : INSTITUT FRANCAIS DU PETROLE OF 4, AVENUE DE BOIS-PREAU 92502 RUEIL-MALMAISON FRANCE, A FRENCH COMPANY.

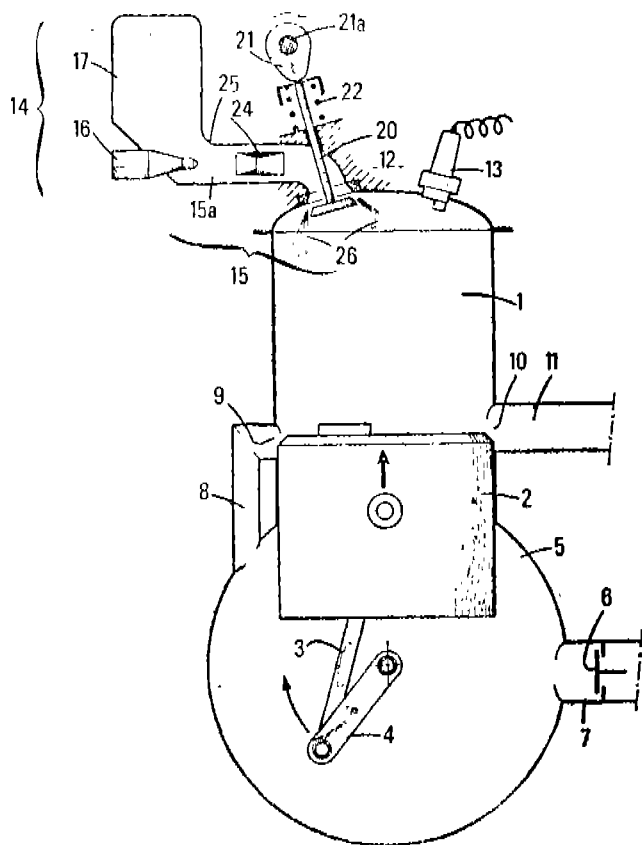
Inventor : PIERRE DURFT.

Application No. 362/Mas/89 filed on 9th May, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

Pneumatic injection device for injection of fuel into a cylinder (1, 30, 30', 40C) of a reciprocating internal combustion engine comprising at least one cylinder (1, 30, 30', 40C), a means of supplying the cylinder with fuel-free air for scavenging, and a pneumatic fuel injection device (14, 32, 32', 42) comprising a pneumatic injector with a chamber terminating in the cylinder, a means of supplying the pneumatic injector with liquid fuel, and a means of supplying the pneumatic injector with pressurized gas to atomize and inject the fuel in finely divided form into cylinder (1, 30, 30', 40C) characterized by the means (17, 35, 35') for supplying the injector with pressurized gas being connected to the chamber of a cylinder of an engine to supply it with the gases contained in the cylinder.



Comp. Specn. 22 pages

Drgs. 2 sheets

Ind. Cl. : 24-F-[GROUP-LV]

172187

Int. Cl.⁴ : B 60 T 13/00**CONTROL MECHANISM FOR APPLYING A BRAKE AND OPERATING A TRANSMISSION OF A VEHICLE.**

Applicant : CATERPILLAR INC., OF 100 NE ADAMS STREET, PEORIA, ILLINOIS 61629-6490. UNITED STATES OF AMERICA, A CORPORATION DULY ORGANIZED AND INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : (1) DAVID MITCHELL FEE (2) CRAIG WARRFN RIEDIGER.

Application No. 439/Mas/89 filed June, 5, 1989.

Convention date : November 7, 1988; (No. 582, 370; Canada).

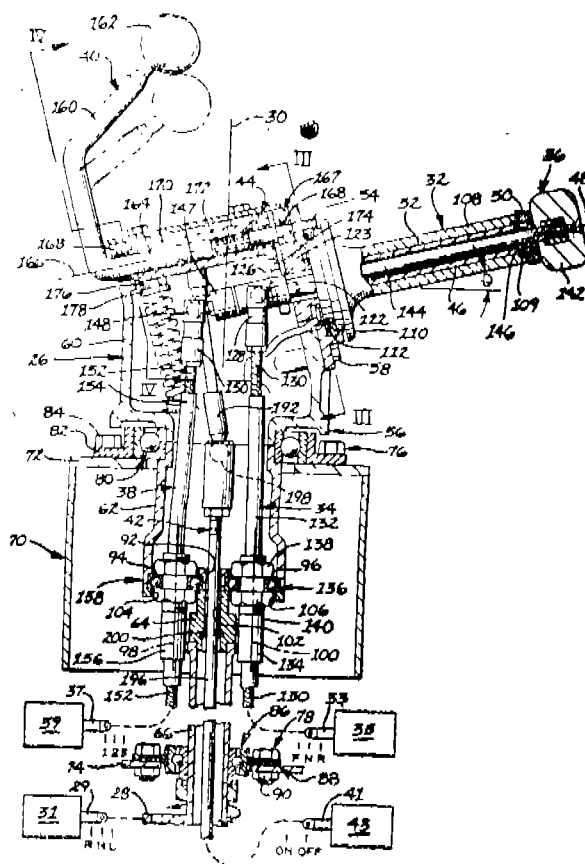
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A control mechanism for applying a brake and operating a transmission of a vehicle having an element mounted on the vehicle for limited rotational movement about an up-standing axis, comprising :

actuator means for controlling the transmission and movement of the vehicle and having a transmission actuating member mounted on the element and being limitedly rotatable about a second axis between a plurality of operating positions and a neutral position;

brake and neutralizer means having a brake actuating member mounted on the element and being limitedly rotatable about a third axis between a brake-off position and a brake-on position, and cam means for positioning the transmission actuating member to the neutral position in response to movement of the brake actuating member to the brake-on position, the cam means being directly mechanically connected to the brake actuating member.



Comp. 23 pages;

Drgs. 5 sheets

Ind. Cl. : 152 F [XII(2)], 155 F1
[XXIII.]

172188

Int. Cl.⁴ : C 09 K 21/00, 21/06.

A FIRE PROTECTION MATERIAL COMPOSITION
AND A PROCESS FOR PREPARING THE SAME.

Applicant : AEROSPATIALE SOCIETE NATIONALE
INDUSTRIELLE, FRENCH JOINT-STOCK COMPANY OF
37, BOULEVARD DE MONTMORENCY 75781 PARIS
CEDEX 16, FRANCE.

Inventor : NICOLE PASTUREAU.

Application No. 443/Mas/89 dated 6th June 1989.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A fire protection material composition suitable for protect-
ing an element by maintaining the temperature of the ele-
ment in the order of 150°C or below when the said element
is covered with 10 to 20 mm thickness of said fire protec-
tion material composition and exposed to a thermal attack
corresponding to a flame temperature of 700 to 1000°C for
a duration of at least 1 hour, the said composition compris-
ing.

30 to 35% by weight of a silicone elastomer binder;

17 to 23% by weight of a reinforcing charge which is a metal
oxide compatible with said silicone elastomer;

38 to 45% by weight of an active charge of an intumes-
cent agent such as herein described capable of producing
an endothermic reaction; and

5 to 10% by weight of an insulative charge such as here-
in described.

Comp. Specn. 17 pages.

Drgs. Nil

Ind. Cl. : 304—[GROUP-XLI(10)]

172189

Int. Cl.⁴ : G 01 G 19/02; 1/24.

A FORCE MEASURING DEVICE.

Applicant : PFISTER GMBH, A GERMAN COMPANY,
OF STAZLINGER STR. 70 D 8900 AUGSBURG, FEDE-
RAL REPUBLIC OF GERMANY.

Inventor : HANS W HAFNER.

Application No. 880/Mas/90 filed November 5, 1990.

Divisional to Patent No. 169106 (1020/ Mas/86); Ante-
dated to December 29, 1986.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

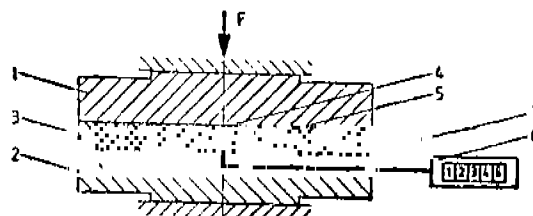
12 Claims

A force measuring device comprising a generally flat
housing having an interior bottom surface formed with a
plurality of wedge-type ribs extending in parallel to each
other in a first dimensional direction of said force measur-
ing device and

a wedge member arranged in said interior of said hous-
ing having a lower surface provided with wedge-type
ribs complementary to those of said bottom surface of
said interior of said housing and having a plane top wall
surface opposing a lower surface of a plane top wall of
said housing, gaps being formed between opposing sur-
faces of said ribs said bottom surface of said interior
of said housing and of said lower surface of said wedge
member and between said lower surface of said top
wall and said top surface of said wedge member;

elastomeric material filling main portions of said gaps
with the exception of gap parts laying in marginal
regions of said top surface of said wedge member and
in regions adjacent to steep leading surfaces of said lower
surface of said wedge member; and

— at least one force measuring element mounted in said
housing in engagement with a face surface of said
wedge member which face surface extends laterally to a
direction of movement of said wedge member upon
load application on said top surface.



Com. 36 pages

Drwgs. 10 sheets

Ind. Cl. : 71-E—[GROUP-XXVIII(1)]

172190

Int. Cl.⁴ : E 02 F 9/28

A REPLACEABLE CORNER TOOTH ASSEMBLY.

Applicant : CATERPILLAR INC., OF PEORIA, ILLINOIS
61629-6490, U.S.A., A CORPORATION DULY ORGA-
NISED AND INCORPORATED UNDER THE LAWS OF
THE STATE OF DELAWARE, U.S.A.

Inventors : (1) BILLY RAY BELFORD (2) MARTIN
VICTOR KIESEWETTER (3) GENE RALPH KLETT (4)
WILLIAM JOSEPH RENSKI.

Application No. 23/Mas/92 filed January 13, 1992.

Convention date : June 7, 1988; (No. 568, 770; Canada)

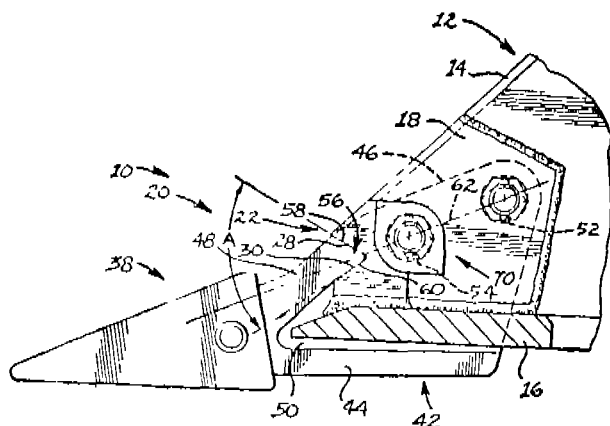
Divisional to Patent Application No. 91/Mas/89 (Ante-
dated to February 3, 1989).

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A replaceable corner tooth assembly (10) adapted for use
on an implement (12) having a normal forward longitudinal
direction of working movement, an upright sidewall member
(14) and a laterally disposed cutting edge (16) connected
to the upright sidewall member (14), comprising; a corner
portion (18/18') adaptable for use as an integral member
of the implement (12) and at least a portion thereof gen-
erally vertically oriented on the upright sidewall member (14)
of the implement (12), said corner portion (18/18') having
a leading edge (22), first and second load transferring pads
(28, 30) defined on the leading edge (22) thereof, and first
and second holes (24, 26) defined therein; and a corner
tooth (20/20') having a leading end portion (38) operative
to engage the work and a trailing end portion (42) inte-
grally connected to the leading end portion (38) and adapted
for releasable connection to said corner portion (18/18'),
said trailing end portion (42) having a bottom portion
(44/44'), a single upright side portion (46) connected to
the bottom portion (44) on oneside thereof and having
first and second holes (52, 54) define therein operatively
aligned when assembled, with the first and second holes (24,
26) of the corner portion (18/18'), a forward portion
(48) connected to the bottom portion (44/44') and to the
single upright side portion (46) to define a cavity (50)
therebetween which opens in a direction away from both
the leading end portion (38) and the single upright side
portion (46) and a load transferring portion (56) which
has first and second load transferring surfaces (58, 60)

defined on the forward portion (48) and operative to mate with the respective first and second load transferring pads (28, 30) of the corner portion (18/18').



Comp. 20 pages;

Drgs. 2 sheets

Ind. Cl. : 140A₂

172191

Int. Cl.⁴ : B 01 F 17/00

A PROCESS FOR THE PREPARATION OF HIGH MOLECULAR WEIGHT EXTENDED POLYAMINE.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BLVD. WICKLIFFE, OHIO 44092 UNITED STATES OF AMERICA, A CORPORATION OF THE STATE OF OHIO, U.S.A.

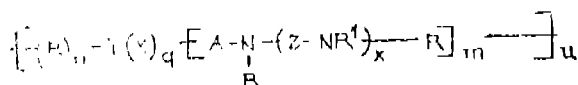
Inventor : THOMAS FRIER STECKEL.

Application for Patent No. 178/Del/86 filed on 28th February, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

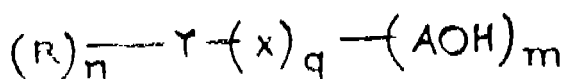
A process for preparing a high molecular weight extended polyamine of Formula I:—



of the accompanying drawings

wherein R is independently hydrogen or hydrocarbyl R¹ is hydrogen, alkyl or NH₂, R² (NR²) wherein y ranges from 1 to 6 and R² is an alkylene group of 1 to 10 carbon atoms, Y represents S, N, or O; X is an alkylene group of at least one carbon atoms; A is hydrocarbyl; Z is alkylene of 1 to 10 carbon atoms, a heterocyclic nitrogen containing cycloalkylene or oxyalkylene of 1 to 10 carbon atoms, and wherein u is a whole integer greater than one n is 0, 1 or 2 dependent upon m and g, where q is 0 or 1, m is 1, 2 or 3 and x is 1 to 10; which comprises reacting.

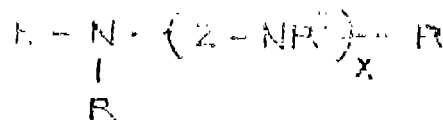
A. at least one hydroxyalkyl or hydroxyaryl reactant represented by the formula II:—



Shown in the accompanying drawings wherein R is independently hydrogen or hydrocarbyl, Y represents S, N, or O; X is an alkylene group of at least one carbon atoms; A is hydrocarbyl; n is 0, 1 or 2 dependent upon m and q where q is 0 or 1 and m is 1, 2, or 3, with

22—47 GI/93

B. at least one amine or polyamine represented by the formula III:—



shown in the accompanying drawings

wherein R is the same as defined above, R¹ is hydrogen, alkyl or NH₂, R² (NR²) wherein R² is an alkylene group of 1 to about 10 carbon atoms and Y ranges from 1 to 6, Z is alkylene of 1 to 10 carbon atoms, a heterocyclic nitrogen containing cycloalkylene or oxyalkylene of 1 to 10 carbon atoms and wherein x is 1 to 10.

Compl. Specn. 41 pages

Drgs. 5 sheets

Ind. Cl. : 32 F₃ (c)

172192

Int. Cl.⁴ : C07C 29/15.

A PROCESS FOR THE PRODUCTION OF METHANOL.

Applicant IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3 JF, ENGLAND.

Inventors : GLYN DAVID SHORT, GODFREY CHARLES CHINCHEN, JAMES GEORGE WILLIAMSON.

Application for Patent No. 747/Del/86 filed on 19 Aug., 1986.

Convention date 30 Aug 1985/8521630/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the production of methanol wherein a gas stream comprising carbon monoxide and hydrogen is passed over a bed of a catalyst at a pressure in the range 20 to 250 bar abs. a temperature in the range 200 to 320°C, and at a space velocity in the range 5000 to 20000 h⁻¹ said catalyst obtained by reduction of a precursor consisting of a calcined intimate mixture of finely divided oxides of copper, zinc, magnesium and aluminium, at least said copper, zinc and magnesium oxides having been introduced by co-precipitation, the proportion of magnesium oxide being such that the magnesium atoms constitute 0.2 to 7% of the total number of copper, zinc and magnesium atoms in the precursor and the proportion of aluminium oxide is such that the aluminium atoms constitute 3 to 30% of the total number of metal atoms in the precursor.

Compl. Specn. 14 pages.

Ind. Cl. : 140 A₂

172193

Int. Cl.⁴ : C 10 L 1/10, C10M 145/10

A PROCESS FOR MAKING AN OIL SOLUBLE DISPERSANT VISCOSITY MODIFYING COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 U.S.A., A CORPORATION OF UNITED STATES OF AMERICA.

Inventors : KATSUMI HAYASHI, CURTIS RICHARD SCHARF, AND THOMAS ROBERT HOPKINS.

Application for Patent No. 1028/Del/86 filed on 25th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

172195

Int. Cl.⁴: H 01 H 35/00.

SNAP-ACTING SWITCHING DEVICE.

Applicant: LA TELEMECANIQUE ELECTRIQUE, A
FRENCH COMPANY, OF 33 BIS, AVENUE DU MARE-
CHAL JOFRE, 92000 NANTERRE, FRANCE.

Inventors : BRUNO JACQUET, JEAN PIERRE TELLER
FREDERIC NOIROT.

Application for Patent No. 587/Del/87 filed on 13 July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A snap-acting switching device comprising an over centre device having a lever (11) mounted about a fixed axis (0) for rocking between two angular positions, first and second stops (23, 24) respectively providing said first and second angular positions, a control member (13, 14) whose movement causes rocking of the lever (11) from one to the other of said angular positions after passing through a dead point position, and two switching means (15, 16) whose actuating members are disposed one on each side of the lever (11) so that each of the actuating members co-operates with said lever (11) in a fraction of the stroke thereof, adjacent the corresponding one of said two angular positions, said control member (14, 13) being connected to said lever (11) through a spring the (12) ends of which are respectively fixed on the control member (14, 13) and on a region of the lever (11) distant from said axis, (0) so as form with said lever (11) the said over centre device.

Drgs. 3 sheets

Drgs. 3 sheets

Int. Cl.⁴ : C11D 1/02 & 1/38.

A DETERGENT LAUNDRY COMPOSITION AND A
PROCESS FOR MANUFACTURING THE SAME.

Applicant: COLGATE-PALMOLIVE COMPANY, OF
300 PARK AVENUE, NEW YORK, NEW YORK 10022,
UNITED STATES OF AMERICA, A CORPORATION
ORGANISED UNDER THE LAWS OF THE STATE OF
DELAWARE, U.S.A.

Inventors. PALLASSANA NARAYAN RAMACHAND-
RAN, PATRIZIA BARONE, DAVID MALCOLM MAC
RAE & GREGORIO CUEVAS GERVASIO.

Application for Patent No. 192/Del/87 filed on 04 Mar 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

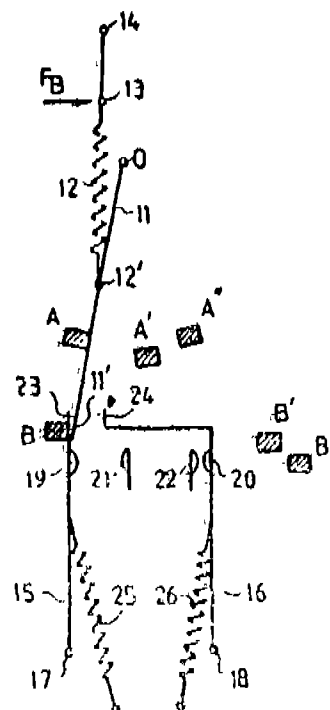
A detergent laundry composition in the form of a bar having improved mildness, foaming properties and processing characteristics, said composition comprises 15 to 40% of synthetic organic anionic detergent which detergent is a mixture of 1 to 5 parts of higher fatty alcohol ethoxylate sulfate, 10 to 50% of a builder such as herein described for the detergent mixture, 20 to 70%, of water insoluble powder and/or sodium sulfate filler such as herein described and 5 to 20% of water.

A process for manufacturing a detergent laundry composition in the form of a bar which comprises mixing together 15 to 40% of synthetic organic anionic detergent which detergent is a mixture of 1 to 5 parts of sodium higher fatty alcohol sulfate and 1 to 5 parts of sodium higher fatty alcohol ethoxylate sulfate, 10 to 50% of a builder such as herein described for the detergent mixture, 25 to 70%, of water insoluble powder and/or sodium sulfate filler such as herein described and 5 to 23% of water and if desired heating the composition at 105°C for two hours before plodding the mixture, extruding it in bar form and cutting the bar to desired lengths.

Compl. Specn 32 pages.

Compl. Specn. 20 pages

Drgy. 3 sheets



Ind. Cl. : 32 E+40 B
Int. Cl. : C 08 F 4/42, 4/52
C 08 G 85/00.

172196

PROCESS FOR THE PREPARATION OF A COMPLEXED TITANIUM TRICHLORIDE-BASED CATALYTIC SOLID.

Applicant : SOLVAY & CIE., A BELGIAN COMPANY, OF 33, RUE DU PRINCE ALBERT, B-1050 BRUSSELS, BELGIUM.

Inventors : PAUL FIASSE, ALBERT BERNARD.

Application for Patent No. 826/Del/87 filed on 18th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

Process for the preparation of a complexed titanium trichloride-based catalytic solid under conventional process conditions, which can be used for the stereospecific polymerization of alpha-olefins, said process including preactivating a complexed titanium trichloride-based solid precursor by bringing said precursor into contact with an organoaluminium preactivator, characterized in that the said preactivator is a product of reaction between a compound (a) chosen from amongst organoaluminium compound of a formula AlR_nX_{3-n} in which R represents hydrocarbon radicals, which may be identical or different, containing from 1 to 18 carbon atoms, X is a halogen, and n is a number such that $0 < n \leq 3$ and a compound (b) chosen from amongst hydroxy-aromatic compounds such as herein described, the hydroxyl group of which is sterically hindered and the solid precursor and the preactivator are maintained in contact with each other at a temperature between 0 and the normal boiling point of the side point & C for a period between 5 and 120 minutes.

Compl. Spen. 33 pages

Drgs sheet Nil

Ind. Cl. : 94 G.
Int. Cl. : B02C 4/00.

172197

APPARATUS FOR THE TWO-STAGE CRUSHING OF BRITTLE MATERIAL FOR GRINDING.

Applicant : KRUPP POLYSTIUS AG., A GERMAN COMPANY, OF GRAF-GALEN-STR. 17, 4720 BECKUM, FEDERAL REPUBLIC OF GERMANY.

Inventors : GOTTHARDT BLASZYK, NORBERT PATZELT, HEINZ-GEORG MERSMANN, HARDY KROPP & FRANZ JOSEF ADRIAN.

Application for Patent No. 1030/Del/87 filed on 01 Dec., 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

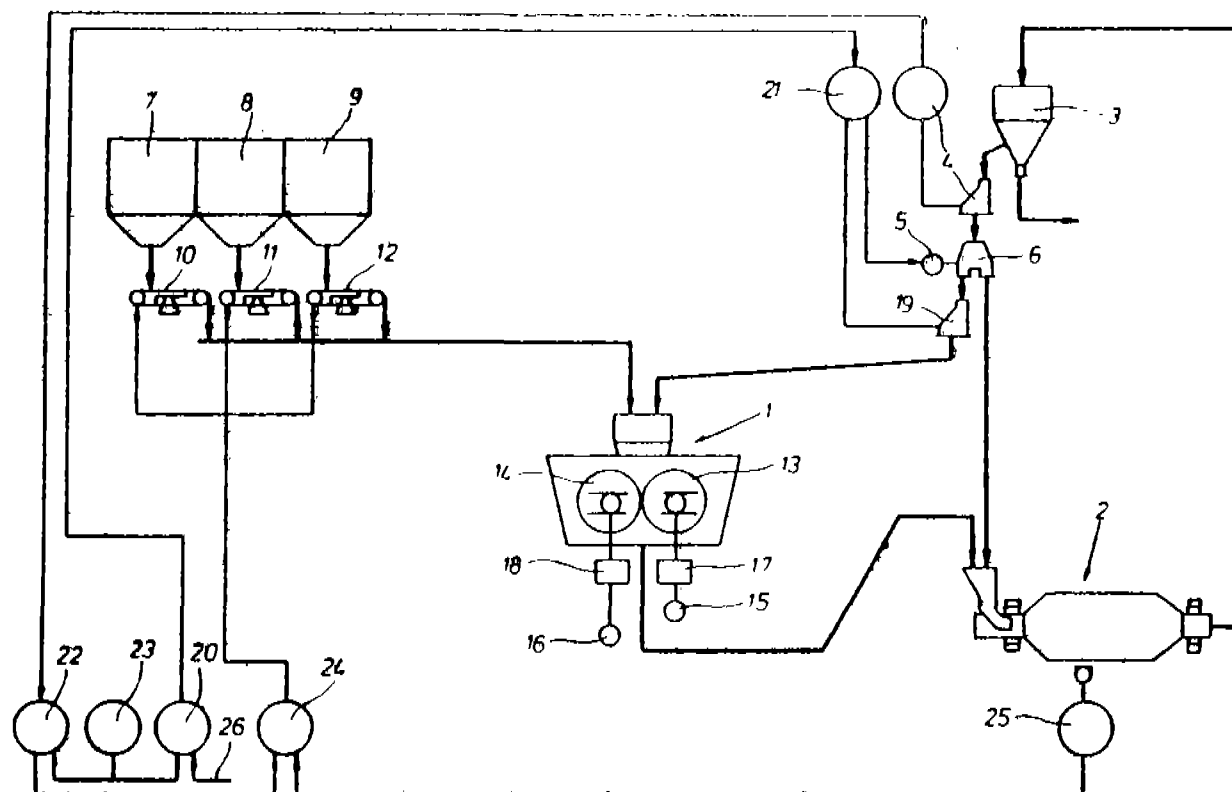
Apparatus for the two-stage crushing of brittle material for grinding, containing

- (a) a roll mill (1);
- (b) a second mill (2) connected after the roll mill (1) via a first conduit;
- (c) a sifter (3) connected to the second mill (2) via a second conduit for sifting the material discharged from the second mill (2);
- (d) a valve device (5) for dividing the quantity of grit obtained in the sifting operation into one branch stream delivered to the roll mill (1) via a third conduit and one branch stream delivered to the second mill (2) via a fourth conduit;

characterised by

(e) a first control circuit (4, 22) comprising a first measuring device (4) connected to said valve device (5, 6) and said sifter, said measuring device (4) determining the quantity of grit obtained in the sifting operation and a regulator (22) connected to said first measuring device (4) and which regulates the quantity of fresh material delivered to the roll mill (1) as a function of the total quantity of grit obtained in the sifting operation to keep constant the sum of the quantity of fresh material and the total quantity of grit;

(f) a second control circuit (19, 20, 21) which comprises a second measuring device (19) connected to said valve device (5, 6) and said roll mill (1), said second measuring device (19) for determining the quantity of grit delivered to the roll mill (1); a computing element (20) which forms a theoretical value for the quantity of grit returned to the roll mill from the quantity of fresh material at that moment and a predetermined theoretical value for the sum of the quantity of fresh material and the quantity of grit returned to the roll mill; a regulator (21) connected to the computing element (20) and the second measuring device (19) which from the theoretical value formed by the computing element (20) and the signal from the second measuring device (19) produces a control signal for the valve device (5, 6) for dividing up the quantity of grit obtained in the sifting operation in order that the sum of the quantity of fresh material and the quantity of grit delivered to the roll mill (1) remains the same.



Ind. Cl.: 70 C₄ 172198Int. Cl.⁴: H01M 10/00**A PROCESS FOR RECOVERING METALLIC COMPONENTS FROM ELECTRICAL OR ELECTRONIC COMPONENTS.**

Applicant: RECYTEC S.A., A SWISS COMPANY, C/O ORFÈGEST S.A., OF 4, RUE DU BASSIN 2000 NEUCHÂTEL, SWITZERLAND.

Inventor: JOZEF HANULIK.

Application for Patent No. 1077/Del/87 filed on 15 Dec., 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A process for recovering metallic components of the kind such as herein described from electrical or electronic components such as spent electrical batteries and assembled printed circuit boards, the above said starting materials being heated and metals present in the residue being electrolytically deposited at the electrode, characterised in that:

(a) pyrolysing said unsorted starting materials at a temperature between 450°C and 650°C to obtain a pyrolysis slag, then

(b) carrying out electrolysis of the pyrolysis slag in an electrolyte comprising preferably borofluoric acid and/or salts of said acid, and subsequently

(c) removing the products accumulated at the electrodes and separating the electrolysis products, in particular the metals and metal oxides, by a metallurgical, electro-chemical or chemical manner known per se.

Compl. Specn. 14 pages Drgs. 1 sheet

Ind. Cl.: 84 C 172199

Int. Cl.⁴: C 10 B 3/02**A LARGE CAPACITY COKING REACTOR.**

Applicant: BERGWERKSVERBAND GMBH., A GERMAN COMPANY, OF FRANZ-FISCHER-WEG 61, 4300 ESSEN 13, WEST GERMANY.

Inventors: GERD NASHAN, KLAUS WESSIEPE, HERBERT BERTLING, WOLFGANG ROHDE, MANFRED BLASE, MANFRED GALOW, ULRICH KOCHANSKI, HEINZ DÜRSELEN, JOHANNES JANICKA, DIETER STALHERM, JOACHIM HOITZ, JURGEN TIETZE AND RALF SCHUMACHER.

Application for Patent No. 1085/Del/87 filed on 16th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

14 Claims

A large capacity coking reactor which is fed batch-wise with charge mixtures, preferably on the basis of mineral coal, with the reactor being heated indirectly by controllable heating devices via heating walls which bound the reactor chamber on both sides, with heat recovery in regenerators or recuperators characterised in that (a) the reactor having a reactor chamber (1), heating walls (3) and heating devices (10, 19), regenerators or recuperators (R I and II), the reactor chamber (1) having a width of at least 0.7 m and an effective height of at least 8.5 m and an effective length of at least 18 m; (b) the heating walls (3) bounding the reactor chamber (1) are located in parallel-sided fashion;

(c) the reactor chamber (1) is placed with its heating walls (3) between at least two rigid side walls (2), the heating walls (3) being supported rigidly against the side walls (2);

(d) each of the seating walls (3) comprises a runner wall (11) facing the reactor chamber (1) and a separating wall (12) facing the rigid side wall (2) with heating flues being disposed vertically between them; and

(e) all said heating devices (10, 19) and regenerator or recuperators (R I and II) are connected to the two heating walls (3) and separate control and/or regulating elements (19) are connected to the heating flues for the independent heating of the reactor chamber (1).

Compl. Specn. 22 pages

Drgs. 8 sheets

Ind. Cl.: 144 A.

172200

Int. Cl.⁴: B32B 27/08.**A METHOD OF MANUFACTURING AN ADDITIVE PRINTED WIRING BOARD.**

Applicant: KOLLMORGEN CORPORATION, OF 10 MILL POND LANE, SIMSBURY, CONNECTICUT 06070, UNITED STATES OF AMERICA.

Inventor: THOMAS SLEIGHT KOHM.

Application for Patent No. 1145 Del 87 filed on 29 Dec. 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A method of manufacturing an additive printed wiring board which comprises coating an organic insulating base material with an phenolic resin-elastomer adhesive layer, curing said adhesive layer, subjecting it to adhesion promotion and plating a metallic conductive pattern thereon, characterised in that said phenolic resin-elastomer adhesive layer comprises:

a phenolic resin, said resin being substantially free of methyl ether groups, having an average of between four and ten phenolic rings per molecule and at least two methylol functional groups;

at least one heat resistant polymer having an aromatic or cyclic backbone and functional groups capable of cross-linking with phenolic methylol without evolving water, said heat resistant polymer being present in an amount sufficient to react with substantially all the methylol groups of the phenolic resin, said polymer with aromatic or cyclic backbone being capable of improving the electrical or heat resistant properties of said bonding composition; and

an elastomer selected from the group consisting of neoprene, nitrile rubber and chlorosulfonated polyethylene, and vinyl and acrylic elastomers, said elastomer being 30 to 60% of the combined weight of the phenolic resin and the heat resistant polymer so that an additive printed wiring board capable of withstanding soldering cycles of at least 255° and repair and component replacement temperature of at least 430°C for at least 10 minutes is produced.

(Compl. Specn. 28 pages

Drwgng 1 sheet)

Ind. Class : 27 G [XXVI(1)]

172201

Int. Class: E 04 C 5/03.

AN IMPROVED STRUCTURAL MEMBER FOR TAKING HIGHER TENSILE/COMPRESSIVE STRESSES AND A METHOD OF MANUFACTURING THE SAME.

Applicant: KRISHNAMURTHY HANASOGE VENKATESH, 1380 SRI VENKATADRI, 6TH CROSS, BANASHANKARI I STAGE, BANGALORE-560 050, KARNATAKA, INDIA, INDIAN NATIONAL.

Inventor: KRISHNAMURTHY HANASOGE VENKATESH.

Application No. 789/MAS/88 filed on 11th November 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

4 Claims

An improved structural member for taking higher tensile/compressive stresses, comprising a bundle of closely placed plain and/or deformed metal bars of substantially the same length, with their respective ends substantially level with each other characterised in that the bars are cold twisted together such that the length of the bundle, after cold twisting, is substantially the same as the length of a bar before cold twisting.

(Comp. specn. 14 pages;

Drwng 1 sheet)

Ind. Cl. . 172-C₃-[GROUP XX]

172302

Int. Cl.: D 01 G 7/06.

APPARATUS FOR REMOVING FIBRE FLOCKS FROM A LINE OF FIBRE BALES.

Applicant: MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406, WINTERTHUR, SWITZERLAND.

Inventors: 1. ROLF BINDER and 2. DANIEL HANSELMANN.

Application No. 912/MAS/88 filed on 22nd December 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

10 Claims

An apparatus for removing fiber flocks from a line of fibre bales, comprising,

at least one machine frame mounted for reciprocating along a path parallel to a line of bales;

at least one fiber removal means mounted in said machine frame for vertical up and down movement over a fiber bale, said means having at least one rotatable and drivable removal roll for removing fiber flock from a respective fiber bale;

means for pivoting said fiber removal means about a pivot axis within said machine frame; and

control means for pivoting said removal means in said machine frame into a predetermined inclined position while simultaneously and independently moving said removal means vertically during movement of said machine frame along said path.

(Com. Spec. 12 pages;

Drgs. 6 sheets)

Ind. Class : 128-G & 179-F - [GROUPS - XIX(2)] 172203

& XL(6)]

Int. Cl.: B 65 D 83/14

C 09 K 3/30.

A METHOD OF PRODUCING AN INTERNALLY STERILISED AEROSOL CONTAINER CONTAINING A STERILE SALINE SOLUTION.

Applicant & Inventor: ROBERT HENRY ABPLANAI, AN UNITED STATES CITIZEN, OF 10 HEWITT AVENUE, BRONXVILLE, NEW YORK 10708, UNITED STATES OF AMERICA.

Application No. 337/MAS/89 filed May 2, 1989.

Convention date: 23 March 1989; (No. 8906844.9; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims (No drawing)

A method of producing an internally sterilised aerosol container containing a sterile saline solution dispensable from the container through a manually operable dispensing valve fitted to the container and under pressure of a pressurised propellant, comprising the steps of passing a saline solution through an electrolytic cell to obtain electrolytically sterilised saline solution, passing the electrolytically sterilised saline solution directly from the electrolytic cell to an aerosol container equipped with a manually operable dispensing valve, filling the container with the electrolytically sterilised saline solution thereby to sterilise the interior of the container, and there after pressurising the container with a pressurised propellant such as nitrogen gas with the said sterile saline solution in place in the container.

(Com. 18 pages).

Ind. Class : 38-D [GROUP—LVIII(3)]

172204

Int. Cl.: H 05 K 1/00; 5/00.

A METHOD OF MANUFACTURING PRINTED CIRCUIT BOARDS FOR MASS SOLDERING, WITHOUT SOLDER MASK, WITH DUPLEX ALLOY PLATING OVER COPPER SUITABLE FOR SURFACE MOUNT TECHNOLOGY, AND A PRINTED CIRCUIT BOARD MANUFACTURED THEREBY.

Applicant: MICROPACK LIMITED, PLOT NO. 16, JIGANI INDUSTRIAL AREA, ANEKAL TALUK, BANGALORE-562 106, KARNATAKA STATE, AN INDIAN COMPANY.

Inventor: VEDU MITTER.

Application No. 428/MAS/89 filed June 1, 1989.

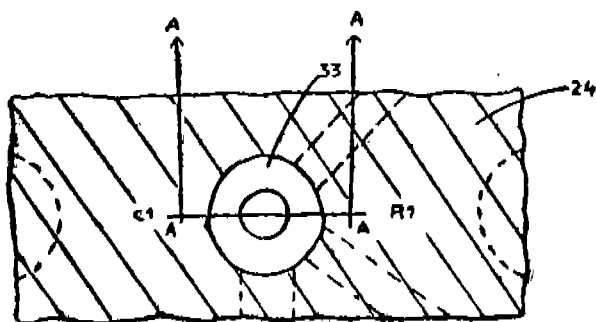
Complete Specification left: September 18, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

A method of manufacturing Printed Circuit Boards without solder mask comprising preparation of all inner layers' conductor patterns by printing and etching separate copper clad laminates and bonding them to a resin coated cap layer foil or copper clad laminate on both sides with interleaving bonding sheets to form a multilayer laminated composite; drilling the holes, deburring and cleaning the holes; plating electroless copper; imaging the outer layers with terminal and test pads only; plating with copper, followed by a duplex plating of Lead and Tin-lead on holes and terminal and test pads; stripping off the resis and etching all unwanted copper areas; reflowing or hot air levelling Tin-lead; printing

legend and blocking via holes, if any; and finishing the Printed Circuit Board.



(Prov. 5 pages)

(Com pages;

Drwgs. 7 sheets)

Ind. Class : 9 (E) [GROUP—XXXIII(1)]

172205

Int. Cl.⁴: C 22 C 33/08.

A PROCESS FOR MAKING AN INOCULANT FOR CAST OR DUCTILE IRON.

Applicant: ELKEM METALS COMPANY, A COMPANY INCORPORATED UNDER THE LAWS OF THE U.S.A., OF PARK WEST OFFICE CENTER, CLIFF MINE ROAD, PO BOX 266, PITTSBURGH, PENNSYLVANIA 15230, U.S.A.

Inventors: (1) MARY JANE HORNING and (2) EDWARD C. SAUER.

Application No. 944/MAS/90 filed on November 22, 1990.

Divisional to Patent No. 169153 (35/MAS/87);

Ante-dated to January 20, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims (No drawing)

A process for making an inoculant for cast or ductile iron comprising mixing a strontium ore and any known source of zirconium, titanium or a combination thereof with molten ferrosilicon and/or copper silicon alloy optionally containing

calcium at a temperature for a period of time to obtain an inoculant having 15 to 90% by weight of silicon, 0.1 to 10% by weight of strontium, 0.1 to 15% by weight of zirconium and/or 0.1 to 20% by weight of titanium and 0 to 0.35 by weight of calcium.

(Com. 33 pages).

Ind. Class : 139-G [GROUP—IV(2)]

172206

Int. Cl.⁴: C 01 B 17/04.

A PROCESS FOR THE SELECTIVE OXIDATION OF SULFUR CONTAINING COMPOUNDS IN PARTICULAR HYDROGEN SULFIDE TO FORM ELEMENTAL SULFUR.

Applicants: (1) VEG-GASINSTITUUT N V, A DUTCH LIMITED LIABILITY COMPANY OF WILMERSDORF 50, 7327 AC APELDOORN, THE NETHERLANDS; AND

(2) COMPRIMO B V, A DUTCH PRIVATE COMPANY WITH LIMITED LIABILITY OF JAMES WATTSTRAAT 79, 1097 DL AMSTERDAM, THE NETHERLANDS.

Inventors: (1) PEITER HILDEGARDUS BERBEN and (2) JOHN WILHELM GEUS.

Application No. 34/MAS/91 filed on January 21, 1991.

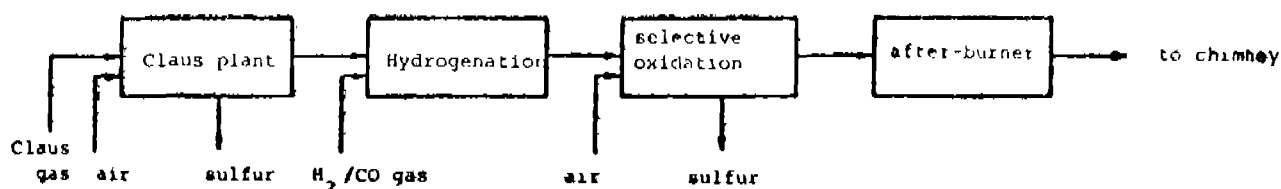
Divisional to Patent No. 169394 (272/MAS/87);

Ante-dated to April 13, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A process for the selective oxidation of sulfur containing compounds in particular hydrogen sulfide to form elemental sulfur by passing a hydrogen sulfide containing gas together with an oxygen containing gas at a temperature of at least 150°C over a catalyst consisting of a carrier and catalytically active material selected from metal oxides or mixtures of metal oxides of metals such as iron, chromium, nickel or alloys of these metals, the said catalyst having a specific surface area of less than 20 m²/g and less than 10% of the total pore volume having a pore radius ranging between 5 and 500 Å.



(Com. 34 pages;

Drwgs. 1 sheet)

Ind. Class : 32-F.1 [GROUP—IX(1)]
Int. Cl.⁴ : C 07 D 265/34.

172207

- (3) PHILIPPE BUSSAT.
(4) JEROME PUGINIER.
(5) EVA HYBL.

Application No. 247/MAS/91 filed on March 26, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

A PROCESS FOR SELECTIVELY PRODUCING AN (S)-9-FLUORO-3-METHYL-10- (4-METHYL-1-PIPERAZINYL)-7-OXO-3, 4-DIHYDRO-7H-PYRIDO [1, 2, 3-de] [1, 4] BENZOXAZINE-6-CARBOXYLIC ACID HEMIHYDRATE.

Applicant : DAICHI PHARMACEUTICAL CO., LTD., OF 14-10, NIHONBASHI 3-CHOME, CHUO-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

Inventors :

- (1) YUKIO SATO.
(2) ATSUSHI SATO.
(3) TATSURO SUMIKAWA.
(4) TAZUO UEMURA.

Application No. 175/MAS/91 filed on February 28, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A process for selectively producing an (S) -9-fluoro-3-methyl - 10 - (4-methyl-1-piperazinyl)-7-oxo-3, 4-dihydro-7H-pyrido [1, 2, 3-de] (1, 4) benzoxazine-6-carboxylic acid hemihydrate, comprising the steps of treating an (S)-9-fluoro-3-methyl-10- (4-methyl-1-piperazinyl)- 7 -oxo-3, 4-dihydro-7H-pyrido [1, 2, 3-de] (1, 4) benzoxazine-6-carboxylic acid monohydrate by dissolving in an aqueous solvent selected from a group consisting of an aqueous methanol, an aqueous ethanol, an aqueous propanol and an aqueous acetone maintaining the water content of the said aqueous solvent in a range from 2 to 10% by volume per volume of said (S)-9-fluoro -3- methyl - 10- (4-methyl-1-piperazinyl) -7- oxo-3, 4-dihydro-7H-pyrido [1, 2, 3-de] (1, 4) benzoxazine-6-carboxylic acid monohydrate and the amount of the said aqueous solvent employed is in the range of from 4 to 8 times the amount of the said (S)-9-fluoro-3-methyl-10 (4-methyl-1-piperazinyl-7-oxo-3, 4-dihydro-7H-pyrido [1, 2, 3-de] (1, 4) benzoxazine-6-carboxylic acid monohydrate; heating the resulting recrystallization mixture at a temperature of from 50°C to 80°C, and thereafter cooling the recrystallization mixture to temperature of from -5°C to 25°C, to obtain the said hemihydrate.

(Com. 23 pages;

Drwg 1 sheet)

Ind. Class : 55-F [GROUP—XIX(1)]
Int. Cl.⁴ : A 61 K 31/00.

172208

A METHOD OF PREPARING A COMPOSITION ADAPTED FOR INJECTION INTO THE BLOOD STREAM AND BODY CAVITIES OF LIVING BEINGS.

Applicant : SINTETICA S.A., 6850 MENDRISIO, SWITZERLAND, A SWISS COMPANY.

Inventors :

- (1) MICHEL SCHNEIDER.
(2) DANIEL BICHON.

18 Claims (No drawing)

A method of preparing a composition adapted for injection into the blood stream and body cavities of living beings, eg. for the purpose of ultrasonic echography, consisting of a suspension of air or gas microbubbles in a physiologically acceptable aqueous carrier phase as herein described comprising the steps of (a) selecting at least one film forming surfactant and converting it into lamellar form; (b) contacting the surfactant in lamellar form with air or an adsorbable or entrappable gas for time sufficient for the air or gas to be come bound by said surfactant; and (c) admixing the surfactant in lamellar form with an aqueous liquid carrier as herein described whereby a stable dispersion of air or gas microbubbles in said liquid will result.

(Com. 29 pages).

Ind. Class : 83-A-5 [GROUP—XIV(5)]
Int. Cl.⁴ : A 23 P 1/06.

172209

A PROCESS AND AN APPARATUS FOR PRODUCING SOLUBLE POWDER MATERIALS WITH IMPROVED FLOW CHARACTERISTICS, WETTABILITY, SOLUBILITY, HARDNESS AND COLOUR.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., CASE POSTALE 353, 1800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors :

- (1) HANSPETER MAIER.
(2) KLAUS ZIMMERMANN.

Application No. 274/MAS/91 filed on April 8, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

A process for producing soluble powder materials such as soluble coffee, soluble tea, soluble chicory powder, soluble cereal extract powder, milk powder, lactose and mixed beverages with improved flow characteristics, wettability, solubility, hardness and colour in the form of agglomerates, the said process comprising wetting the said powder material while flowing the powder material through the center with two coaxial gas streams consisting of an inner gas stream of air or steam and an outer gas stream of steam, the said two gas streams being circular and having uniform velocity over the entire circumference of the stream and the velocity ratio of the inner gas stream to the outer gas stream is maintained in the range of 1 : 1 to 8 : 1.

(Com. 11 pages;

Drwgs. 5 sheets)

Ind. Class : 55-E₂ [GROUP—XIX(1)]

172210

Int. Cl.⁴ : A 61 K 31/52.**A METHOD FOR PREPARING A COSMETIC COMPOSITION FOR TOPICAL APPLICATION TO THE SKIN.**

Applicant : SENETEK, PLC, A CORPORATION ORGANIZED UNDER THE LAWS OF GREAT BRITAIN, OF SIX THE PINES COURT, SUITE D, ST. LOUIS, MISSOURI 63141, U.S.A.

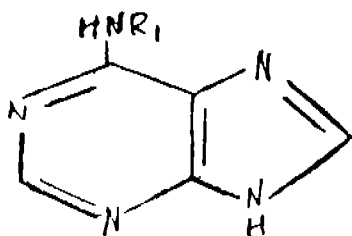
Inventor : SURESH INDER SINGH RATTAN.

Application No. 409/MAS/91 filed May 29, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A method for preparing a cosmetic composition for topical application to the skin by admixing 0.2 ppm to 200 ppm of 6-(substituted amino) purine cytokinin represented by the formula I of the accompanying drawing wherein R₁ is selected from the group consisting of furfuryl, phenyl, benzyl, n-alkyl of 4, 5 or 6 carbon atoms (cyclohexyl) methyl, (3-hydroxymethyl-3-methyl) allyl and 3, 3 dimethylallyl with a non toxic and dermatologically acceptable compounds or mixture of such compounds such as herein described.

**FORMULA I**

(Com. 32 pages)

Drwg 1 sheet)

PATENT SEALED

ON 02-04-1993

169648-*D 170070 170072 170133-* 170140 170144-*D
170150-*D 170179-*D 170180-*D 170285-*D 170292
170293-* 170294 170295-* 170296 170297-* 170632 171427.

Cal-05, Mas-09, Del-02 and Bom-02.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

D-DRUG Patent, F-FOOD Patent.

AMENDMENT PROCEEDING UNDER SEC. 57

The amendments proposed by AMPEX CORPORATION in respect of Patent Application No. 169906 (368/MAS/87) as advertised in Part III, Section 2 of the Gazette of India, on 7th November 1992 and on Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by STATE OF ISRAEL, REPRESENTED BY THE PRIME MINISTER'S OFFICE OF THE ISRAEL INSTITUTE FOR BIOLOGICAL RESEARCH in respect of Patent No. 170689 (426/MAS/90) as advertised in Part III, Section 2 of the Gazette of India on 24th October 1992 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

RENEWAL FEES PAID

151622 151876 151946 152094 152558 152732 152807 152953
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CESSATION DUE TO NON-PAYMENT OF RENEWAL FEES

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163727 163747 163751 163764 163767.

PATENTS SHALL BE DEEMED TO BE ENROLLED WITH THE WORDS "LICENCE OF RIGHT" UNDER SECTION-87

163041 163264 163640 163418 163722 163750 163649 163801
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	669/Mas/85—166014.	825/Mas/85—166521.
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86/Mas/83—167601.	698/Mas/85—166017.	838/Mas/85—166397.
29/Del/83—167481	699/Mas/85—166018.	840/Mas/85—166022.
	701/Mas/85—166019.	841/Mas/85—165814.
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18/Mas/84—166641.	708/Mas/85—166271.	851/Mas/85—166347.
170/Mas/84—166642.	709/Mas/85—166174.	852/Mas/85—166348.
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423/Del/84—165761.	711/Mas/85—166332.	856/Mas/85—166023.
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833/Del/84—167501.	715/Mas/85—165961.	859/Mas/85—166261.
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835/Del/84—167503.	720/Mas/85—166177.	863/Mas/85—166131.
911/Del/84—167504.	726/Mas/85—166273.	864/Mas/85—166218.
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	730/Mas/85—166274.	866/Mas/85—166398.
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519/Cal/85—166361.	738/Mas/85—166275.	869/Mas/85—166522.
598/Cal/85—167651.	740/Mas/85—165962.	872/Mas/85—166295.
614/Cal/85—166362.	742/Mas/85—166179.	875/Mas/85—166399.
754/Cal/85—166363.	744/Mas/85—165812.	876/Mas/85—166296.
756/Cal/85—166364.	749/Mas/85—166231.	878/Mas/85—166493.
758/Cal/85—167351.	750/Mas/85—166232.	883/Mas/85—166262.
775/Cal/85—165742.	751/Mas/85—166233.	884/Mas/85—166297.
785/Cal/85—165791.	752/Mas/85—166234.	885/Mas/85—166891.
786/Cal/85—165792.	753/Mas/85—166235.	888/Mas/85—166263.
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932/Cal/85—166365.	761/Mas/85—166276.	894/Mas/85—166264.
933/Cal/85—166366.	764/Mas/85—165964.	895/Mas/85—166298.
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255/Mas/85—167540.	774/Mas/85—165963.	898/Mas/85—166892.
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1986

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528/Cal/86—165903.	749/Cal/86—167642.	947/Cal/86—165989.
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422/Mas/86—167253.	526/Mas/86—167795.	900/Mas/86—167679.
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424/Mas/86—167438.	530/Mas/86—167285.	916/Mas/86—166579.
425/Mas/86—167395.	531/Mas/86—167741.	917/Mas/86—166270.
426/Mas/86—167447.	532/Mas/86—167742.	945/Mas/86—166270.
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428/Mas/86—167322.	535/Mas/86—167743.	962/Mas/86—166928.
429/Mas/86—167534.	536/Mas/86—167814.	963/Mas/86—165787.
431/Mas/86—167408.	538/Mas/86—167637.	970/Mas/86—167099.
433/Mas/86—167456.	539/Mas/86—167815.	972/Mas/86—167099.
435/Mas/86—167387.	541/Mas/86—167573.	976/Mas/86—167260.
437/Mas/86—167409.	544/Mas/86—167816.	977/Mas/86—167575.
438/Mas/86—167410.	545/Mas/86—167817.	996/Mas/86—166300.
439/Mas/86—167323.	546/Mas/86—167346.	1007/Mas/86—167459.
440/Mas/86—167176.	547/Mas/86—167796.	
441/Mas/86—167791.	548/Mas/86—167546.	1986
442/Mas/86—167053.	549/Mas/86—167797.	02/Del/86—165853.
443/Mas/86—167571.	550/Mas/86—167798.	03/Del/86—165769.
444/Mas/86—167535.	557/Mas/86—167801.	14/Del/86—166652.
445/Mas/86—167632.	560/Mas/86—167744.	16/Del/86—165960.
447/Mas/86—167457.	561/Mas/86—167745.	20/Del/86—165959.
448/Mas/86—167342.	562/Mas/86—167799.	22/Del/86—165958.
450/Mas/86—167324.	564/Mas/86—167800.	23/Del/86—166004.
451/Mas/86—167672.	565/Mas/86—167705.	24/Del/86—166359.
452/Mas/86—167536.	566/Mas/86—167802.	28/Del/86—165854.
453/Mas/86—167448.	567/Mas/86—167638.	30/Del/86—165957.
455/Mas/86—167673.	576/Mas/86—167818.	38/Del/86—166512.
456/Mas/86—167715.	578/Mas/86—167639.	45/Del/86—167112.
457/Mas/86—167674.	583/Mas/86—167719.	50/Del/86—166653.
458/Mas/86—167716.	585/Mas/86—167841.	51/Del/86—165956.
459/Mas/86—167343.	587/Mas/86—167458.	52/Del/86—166005.
460/Mas/86—167354.	588/Mas/86—167746.	53/Del/86—166582.
461/Mas/86—167811.	594/Mas/86—167819.	59/Del/86—166006.
462/Mas/86—167633.	596/Mas/86—167820.	60/Del/86—165955.
465/Mas/86—167717.	598/Mas/86—167803.	61/Del/86—166007.
466/Mas/86—167439.	599/Mas/86—167257.	67/Del/86—166731.
467/Mas/86—167542.	604/Mas/86—166269.	68/Del/86—165954.
468/Mas/86—167177.	613/Mas/86—167842.	71/Del/86—166823.
471/Mas/86—167718.	615/Mas/86—167640.	72/Del/86—165953.
472/Mas/86—167544.	629/Mas/86—167843.	74/Del/86—165991.
474/Mas/86—167702.	630/Mas/86—167804.	75/Del/86—165952.
475/Mas/86—167123.	631/Mas/86—167844.	76/Del/86—165951.
477/Mas/86—167792.	636/Mas/86—167747.	79/Del/86—166514.
482/Mas/86—167634.	638/Mas/86—167392.	80/Del/86—165891.
484/Mas/86—167635.	640/Mas/86—167537.	81/Del/86—166281.
485/Mas/86—167178.	644/Mas/86—167054.	82/Del/86—165892.
486/Mas/86—167572.	653/Mas/86—167054.	84/Del/86—166008.
489/Mas/86—167793.	656/Mas/86—167805.	85/Del/86—165992.
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493/Mas/86—167344.	688/Mas/86—167591.	102/Del/86—165895.
494/Mas/86—167255.	696/Mas/86—167806.	104/Del/86—166282.
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507/Mas/86—167675.	768/Mas/86—166326.	121/Del/86—165770.
509/Mas/86—167449.	798/Mas/86—166807.	122/Del/86—166244.
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511/Mas/86—167794.	813/Mas/86—166697.	133/Del/86—166010.
517/Mas/86—167676.	822/Mas/86—167258.	139/Del/86—166412.
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519/Mas/86—167256.	839/Mas/86—167574.	141/Del/86—165993.
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	875/Mas/86—167547.	148/Del/86—166413.

1986		
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152/Del/86—166251.	311/Del/86—167004.	463/Del/86—167024.
153/Del/86—165994.	314/Del/86—166235.	464/Del/86—167483.
154/Del/86—166357.	319/Del/86—166222.	465/Del/86—166657.
158/Del/86—166852.	320/Del/86—166223.	466/Del/86—166246.
159/Del/86—165855.	326/Del/86—166722.	468/Del/86—166229.
160/Del/86—166451.	327/Del/86—166825.	469/Del/86—167117.
161/Del/86—165899.	329/Del/86—166961.	471/Del/86—166658.
162/Del/86—165900.	334/Del/86—166681.	472/Del/86—166455.
163/Del/86—166824.	336/Del/86—166757.	473/Del/86—166683.
164/Del/86—165995.	337/Del/86—166224.	476/Del/86—165913.
165/Del/86—167751.	338/Del/86—165859.	478/Del/86—165973.
166/Del/86—165931.	343/Del/86—165184.	479/Del/86—166230.
167/Del/86—166488.	344/Del/86—167509.	481/Del/86—166456.
171/Del/86—166358.	345/Del/86—165938.	483/Del/86—166759.
174/Del/86—166452.	346/Del/86—166105.	488/Del/86—167007.
177/Del/86—166145.	349/Del/86—166253.	489/Del/86—166110.
179/Del/86—166359.	352/Del/86—167305.	492/Del/86—166247.
180/Del/86—165856.	355/Del/86—165939.	493/Del/86—165974.
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187/Del/86—166181.	358/Del/86—167022.	498/Del/86—167581.
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203/Del/86—167030.	362/Del/86—165940.	502/Del/86—166584.
206/Del/86—166182.	365/Del/86—166185.	503/Del/86—166585.
207/Del/86—166245.	366/Del/86—165860.	506/Del/86—166684.
209/Del/86—165857.	367/Del/86—166735.	510/Del/86—166685.
210/Del/86—166515.	368/Del/86—166736.	511/Del/86—165914.
212/Del/86—165453.	369/Del/86—165911.	512/Del/86—166760.
213/Del/86—166996.	370/Del/86—167023.	513/Del/86—167025.
222/Del/86—166183.	371/Del/86—167482.	515/Del/86—166771.
224/Del/86—166414.	374/Del/86—167114.	516/Del/86—167309.
226/Del/86—166732.	375/Del/86—166962.	517/Del/86—167205.
230/Del/86—166101.	376/Del/86—167306.	519/Del/86—167661.
233/Del/86—165934.	380/Del/86—166737.	520/Del/86—166162.
235/Del/86—165997.	392/Del/86—166682.	521/Del/86—166095.
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247/Del/86—166283.	399/Del/86—166225.	526/Del/86—167662.
248/Del/86—166721.	402/Del/86—166226.	528/Del/86—166773.
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251/Del/86—165935.	406/Del/86—165912.	530/Del/86—165976.
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257/Del/86—166146.	409/Del/86—166106.	534/Del/86—166477.
260/Del/86—166147.	410/Del/86—166415.	535/Del/86—167027.
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266/Del/86—167301.	414/Del/86—166107.	538/Del/86—167008.
272/Del/86—167302.	416/Del/86—166187.	539/Del/86—166774.
273/Del/86—167003.	418/Del/86—167115.	542/Del/86—166659.
274/Del/86—166252.	422/Del/86—167006.	543/Del/86—166660.
276/Del/86—166853.	424/Del/86—167307.	546/Del/86—166775.
277/Del/86—166148.	425/Del/86—166854.	549/Del/86—166458.
279/Del/86—166655.	428/Del/86—166254.	552/Del/86—166517.
281/Del/86—166734.	431/Del/86—166516.	553/Del/86—165915.
282/Del/86—166149.	432/Del/86—166094.	555/Del/86—166459.
284/Del/86—166103.	434/Del/86—166758.	558/Del/86—166964.
290/Del/86—166756.	435/Del/86—167116.	561/Del/86—166256.
292/Del/86—166284.	436/Del/86—166227.	565/Del/86—166965.
294/Del/86—165858.	437/Del/86—166917.	566/Del/86—166856.
296/Del/86—165936.	438/Del/86—166963.	567/Del/86—166460.
298/Del/86—165937.	439/Del/86—166108.	568/Del/86—166288.
300/Del/86—167303.	440/Del/86—166855.	570/Del/86—166586.
302/Del/86—166104.	441/Del/86—166583.	571/Del/86—166827.
304/Del/86—166150.	442/Del/86—166286.	579/Del/86—167028.
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307/Del/86—166221.	452/Del/86—167308.	582/Del/86—167582.
309/Del/86—166431.	454/Del/86—166188.	583/Del/86—167029.
	457/Del/86—166189.	585/Del/86—167583.
	459/Del/86—166287.	

1986

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636/Del/86—167852.
637/Del/86—166968.
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750/Del/86—167485.
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758/Del/86—167014.
759/Del/86—167015.
761/Del/86—167016.
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768/Del/86—167017.
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839/Del/86—166729.
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869/Del/86—166440.
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889/Del/86—167839.
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904/Del/86—167118.

905/Del/86—167667.
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972/Del/86—167859.
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986/Del/86—166519.
991/Del/86—167488.
994/Del/86—166319.
995/Del/86—166829.
996/Del/86—167756.
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1012/Del/86—167860.
1013/Del/86—167489.
1018/Del/86—167668.
1019/Del/86—166320.
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1110/Del/86—167758.
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1987

05/Cal/87—165881.
07/Cal/87—166466.
10/Cal/87—167261.
13/Cal/87—167374.
14/Cal/87—166705.
16/Cal/87—166533.
23/Cal/87—166706.
24/Cal/87—166748.
35/Cal/87—166031.

1987

41/Cal/87—166534.
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450/Cal/87—166794.
 451/Cal/87—166580.
 452/Cal/87—166547.
 456/Cal/87—167080.
 460/Cal/87—167824.
 463/Cal/87—166195.
 465/Cal/87—166066.
 466/Cal/87—166548.
 468/Cal/87—167101.
 470/Cal/87—167157.
 472/Cal/87—167722.
 473/Cal/87—167227.
 474/Cal/87—167647.
 478/Cal/87—167560.
 484/Cal/87—165946.
 485/Cal/87—166549.
 491/Cal/87—166067.
 493/Cal/87—166037.
 494/Cal/87—166881.
 495/Cal/87—167474.
 496/Cal/87—167654.
 497/Cal/87—166196.
 500/Cal/87—167693.
 501/Cal/87—167825.
 506/Cal/87—167826.
 507/Cal/87—167102.
 509/Cal/87—167268.
 511/Cal/87—167103.
 512/Cal/87—167165.
 518/Cal/87—167561.
 523/Cal/87—165890.
 537/Cal/87—167359.
 538/Cal/87—167862.
 541/Cal/87—167827.
 542/Cal/87—167828.
 545/Cal/87—167475.
 546/Cal/87—167863.
 553/Cal/87—167159.
 555/Cal/87—167723.
 560/Cal/87—167562.
 563/Cal/87—167360.
 568/Cal/87—166629.
 577/Cal/87—166795.
 578/Cal/87—167864.
 579/Cal/87—167724.
 588/Cal/87—167694.
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 607/Cal/87—167563.
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 610/Cal/87—166197.
 614/Cal/87—165948.
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 624/Cal/87—166550.
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 635/Cal/87—167695.
 638/Cal/87—167696.
 641/Cal/87—167377.
 642/Cal/87—166797.
 643/Cal/87—167378.
 644/Cal/87—167106.
 645/Cal/87—167564.
 651/Cal/87—167565.
 652/Cal/87—166798.
 660/Cal/87—167784.
 662/Cal/87—167725.

1987

669/Cal/87—167379.	31/Bom/87—166155.	317/Bom/87—166769.
670/Cal/87—167366.	36/Bom/87—166156.	319/Bom/87—166807.
676/Cal/87—167107.	37/Bom/87—167291.	323/Bom/87—166975.
677/Cal/87—167697.	43/Bom/87—166157.	324/Bom/87—166976.
678/Cal/87—166799.	45/Bom/87—167411.	327/Bom/87—166808.
679/Cal/87—165829.	50/Bom/87—166900.	331/Bom/87—166210.
680/Cal/87—167785.	67/Bom/87—166073.	332/Bom/87—166977.
681/Cal/87—167698.	73/Bom/87—166303.	335/Bom/87—166992.
688/Cal/87—166070.	87/Bom/87—167771.	342/Bom/87—166120.
690/Cal/87—167108.	91/Bom/87—167461.	344/Bom/87—166809.
692/Cal/87—167109.	115/Bom/87—166158.	354/Bom/87—166978.
694/Cal/87—166038.	123/Bom/87—166159.	357/Bom/87—167132.
696/Cal/87—166551.	125/Bom/87—166761.	363/Bom/87—167463.
714/Cal/87—167655.	126/Bom/87—166160.	364/Bom/87—167420.
715/Cal/87—167656.	129/Bom/87—166762.	365/Bom/87—167062.
725/Cal/87—167567.	131/Bom/87—166304.	366/Bom/87—167464.
727/Cal/87—167786.	137/Bom/87—167412.	367/Bom/87—167292.
728/Cal/87—167110.	148/Bom/87—166114.	368/Bom/87—167293.
740/Cal/87—167228.	153/Bom/87—166972.	369/Bom/87—167063.
742/Cal/87—167866.	159/Bom/87—166763.	370/Bom/87—166979.
765/Cal/87—167867.	164/Bom/87—166115.	371/Bom/87—166993.
766/Cal/87—167787.	166/Bom/87—166302.	374/Bom/87—166994.
774/Cal/87—167166.	167/Bom/87—166764.	382/Bom/87—167522.
775/Cal/87—167657.	168/Bom/87—167413.	384/Bom/87—166995.
781/Cal/87—167380.	171/Bom/87—167462.	385/Bom/87—167523.
796/Cal/87—167658.	173/Bom/87—166116.	386/Bom/87—167421.
797/Cal/87—167160.	185/Bom/87—167131.	62/Mas/87—167809.
798/Cal/87—166871.	187/Bom/87—166305.	64/Mas/87—167124.
802/Cal/87—167788.	191/Bom/87—166306.	90/Mas/87—166597.
811/Cal/87—166800.	193/Bom/87—166765.	100/Mas/87—167192.
815/Cal/87—166872.	198/Bom/87—166307.	144/Mas/87—167849.
817/Cal/87—166711.	199/Bom/87—166308.	200/Mas/87—167193.
818/Cal/87—165949.	207/Bom/87—166309.	201/Mas/87—167125.
843/Cal/87—167726.	209/Bom/87—167414.	218/Mas/87—166698.
847/Cal/87—167727.	212/Bom/87—166801.	243/Mas/87—167126.
850/Cal/87—165921.	216/Bom/87—166201.	331/Mas/87—167194.
858/Cal/87—166873.	224/Bom/87—166202.	348/Mas/87—166958.
861/Cal/87—166712.	227/Bom/87—166117.	349/Mas/87—167327.
867/Cal/87—166874.	231/Bom/87—166310.	350/Mas/87—167604.
869/Cal/87—165922.	232/Bom/87—166203.	410/Mas/87—167328.
883/Cal/87—167868.	233/Bom/87—166118.	416/Mas/87—167195.
884/Cal/87—167869.	236/Bom/87—166204.	456/Mas/87—166580.
887/Cal/87—167728.	238/Bom/87—167521.	457/Mas/87—165789.
889/Cal/87—166552.	240/Bom/87—166802.	489/Mas/87—167127.
890/Cal/87—166553.	241/Bom/87—166205.	500/Mas/87—167329.
892/Cal/87—166950.	247/Bom/87—166206.	514/Mas/87—165790.
895/Cal/87—166713.	248/Bom/87—166803.	527/Mas/87—167055.
897/Cal/87—167568.	252/Bom/87—166207.	584/Mas/87—165818.
922/Cal/87—166875.	253/Bom/87—166208.	586/Mas/87—166817.
923/Cal/87—167870.	254/Bom/87—167415.	591/Mas/87—167286.
928/Cal/87—167167.	256/Bom/87—166991.	628/Mas/87—167056.
929/Cal/87—166714.	257/Bom/87—166973.	631/Mas/87—167347.
934/Cal/87—165830.	258/Bom/87—167416.	642/Mas/87—165819.
936/Cal/87—166554.	259/Bom/87—167417.	671/Mas/87—167538.
953/Cal/87—167699.	260/Bom/87—167418.	677/Mas/87—167348.
955/Cal/87—167648.	261/Bom/87—167061.	686/Mas/87—166057.
957/Cal/87—166715.	264/Bom/87—167772.	708/Mas/87—165820.
964/Cal/87—167476.	269/Bom/87—166766.	725/Mas/87—167287.
983/Cal/87—167730.	272/Bom/87—166805.	726/Mas/87—167577.
984/Cal/87—167729.	296/Bom/87—166767.	732/Mas/87—166058.
992/Cal/87—166555.	297/Bom/87—166974.	736/Mas/87—167450.
998/Cal/87—165923.	303/Bom/87—166804.	783/Mas/87—167810.
1004/Cal/87—166556.	304/Bom/87—166806.	799/Mas/87—167057.
07/Bom/87—166153.	305/Bom/87—166768.	800/Mas/87—166059.
26/Bom/87—166154.	308/Bom/87—166119.	826/Mas/87—167605.
27/Bom/87—166301.	309/Bom/87—167773.	835/Mas/87—166598.
	312/Bom/87—166209.	860/Mas/87—167330.
	316/Bom/87—167419.	886/Mas/87—166599.

1987

887/Mas/87—166600.
 904/Mas/87—166896.
 940/Mas/87—166818.
 947/Mas/87—166897.
 05/Del/87—167511.
 11/Del/87—167512.
 12/Del/87—167513.
 15/Del/87—167611.
 18/Del/87—167731.
 19/Del/87—167514.
 21/Del/87—167612.
 24/Del/87—167759.
 27/Del/87—166098.
 28/Del/87—166099.
 48/Del/87—166589.
 67/Del/87—167682.
 70/Del/87—167613.
 74/Del/87—167614.
 84/Del/87—167201.
 103/Del/87—167733.
 107/Del/87—167587.
 113/Del/87—167202.
 116/Del/87—167683.
 127/Del/87—166730.
 161/Del/87—167495.
 167/Del/87—167588.
 169/Del/87—167760.
 170/Del/87—167615.
 172/Del/87—167515.
 173/Del/87—166520.
 176/Del/87—167203.
 183/Del/87—167762.
 204/Del/87—167616.
 230/Del/87—167496.
 241/Del/87—167497.
 253/Del/87—167734.
 259/Del/87—167684.
 274/Del/87—167516.
 283/Del/87—167517.
 287/Del/87—167518.
 292/Del/87—167617.
 305/Del/87—167204.
 321/Del/87—167519.
 368/Del/87—167520.
 392/Del/87—167763.
 405/Del/87—167618.
 408/Del/87—167764.
 433/Del/87—167735.
 461/Del/87—167765.
 470/Del/87—167685.
 522/Del/87—166590.
 524/Del/87—167766.
 536/Del/87—167686.
 540/Del/87—167206.
 565/Del/87—167207.
 574/Del/87—167767.
 579/Del/87—166289.
 580/Del/87—166290.
 596/Del/87—167590.
 623/Del/87—167208.
 624/Del/87—167209.
 626/Del/87—167210.
 658/Del/87—167768.
 744/Del/87—167687.
 800/Del/87—166740.
 817/Del/87—167737.
 818/Del/87—167738.

857/Del/87—167498.
 881/Del/87—167769.
 986/Del/87—167740.
 1038/Del/87—167499.
 1050/Del/87—167840.
 1114/Del/87—166100.
 1121/Del/87—167619.
 1161/Del/87—167500.

1988

05/Cal/88—167649.
 11/Cal/88—167829.
 18/Cal/88—167361.
 20/Cal/88—166630.
 31/Cal/88—165925.
 32/Cal/88—166198.
 43/Cal/88—166876.
 44/Cal/88—165924.
 50/Cal/88—165926.
 53/Cal/88—167650.
 72/Cal/88—167168.
 91/Cal/88—167700.
 99/Cal/88—165927.
 100/Cal/88—166557.
 105/Cal/88—167789.
 114/Cal/88—167362.
 117/Cal/88—166716.
 127/Cal/88—167569.
 154/Cal/88—167270.
 175/Cal/88—166717.
 176/Cal/88—167364.
 206/Cal/88—167790.
 225/Cal/88—165929.
 227/Cal/88—167169.
 243/Cal/88—167363.
 267/Cal/88—166877.
 299/Cal/88—166718.
 317/Cal/88—166558.
 322/Cal/88—166878.
 349/Cal/88—166719.
 351/Cal/88—167365.
 372/Cal/88—166879.
 387/Cal/88—167170.
 395/Cal/88—166720.
 440/Cal/88—167229.
 457/Cal/88—166880.
 484/Cal/88—166559.
 503/Cal/88—166560.
 508/Cal/88—166040.
 530/Cal/88—167230.
 568/Cal/88—166200.
 576/Cal/88—166199.
 612/Cal/88—167366.
 613/Cal/88—167367.
 624/Cal/88—167269.
 651/Cal/88—167660.
 652/Cal/88—167477.
 659/Cal/88—166882.
 693/Cal/88—167368.
 696/Cal/88—166883.
 727/Cal/88—166884.
 733/Cal/88—167478.
 749/Cal/88—166885.
 750/Cal/88—165928.
 802/Cal/88—167479.
 816/Cal/88—167570.
 851/Cal/88—166886.

854/Cal/88—166887.
 855/Cal/88—166888.
 856/Cal/88—166889.
 939/Cal/88—167659.
 970/Cal/88—167480.
 1047/Cal/88—165930.
 10/Bom/88—167064.
 12/Bom/88—166996.
 13/Bom/88—166782.
 17/Bom/88—167294.
 18/Bom/88—167524.
 20/Bom/88—167065.
 21/Bom/88—166783.
 23/Bom/88—167422.
 24/Bom/88—166074.
 25/Bom/88—166075.
 33/Bom/88—167295.
 35/Bom/88—167423.
 36/Bom/88—167424.
 41/Bom/88—166076.
 42/Bom/88—166901.
 45/Bom/88—166980.
 46/Bom/88—167425.
 47/Bom/88—167426.
 48/Bom/88—167133.
 49/Bom/88—167296.
 52/Bom/88—166997.
 54/Bom/88—167297.
 56/Bom/88—167774.
 60/Bom/88—167525.
 61/Bom/88—166078.
 63/Bom/88—166784.
 66/Bom/88—166902.
 75/Bom/88—167298.
 76/Bom/88—166785.
 86/Bom/88—166903.
 95/Bom/88—167066.
 99/Bom/88—167134.
 106/Bom/88—167135.
 107/Bom/88—166904.
 112/Bom/88—167299.
 119/Bom/88—167067.
 120/Bom/88—167136.
 121/Bom/88—166998.
 128/Bom/88—166786.
 135/Bom/88—167427.
 139/Bom/88—166077.
 143/Bom/88—167428.
 152/Bom/88—167429.
 159/Bom/88—167465.
 166/Bom/88—167137.
 167/Bom/88—167526.
 169/Bom/88—167430.
 171/Bom/88—166999.
 180/Bom/88—167775.
 181/Bom/88—167466.
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 190/Bom/88—167468.
 193/Bom/88—167138.
 201/Bom/88—167068.
 203/Bom/88—167000.
 206/Bom/88—166787.
 208/Bom/88—167527.
 209/Bom/88—166788.
 225/Bom/88—167069.
 226/Bom/88—166905.
 228/Bom/88—167469.
 230/Bom/88—167070.
 231/Bom/88—166789.

1988	231/Mas/88—166949.	755/Mas/88—167680.
232/Bom/88—166770.	232/Mas/88—166950.	895/Mas/88—167400.
233/Bom/88—167776.	235/Mas/88—167198	898/Mas/88—166930.
236/Bom/88—167528.	238/Mas/88—167197.	932/Mas/88—167710.
243/Bom/88—166079.	240/Mas/88—166898.	22/Del/88—167770.
250/Bom/88—167470.	289/Mas/88—167199.	73/Del/88—166420.
254/Bom/88—166906.	312/Mas/88—167059.	410/Del/88—167688.
261/Bom/88—166790.	325/Mas/88—167289.	411/Del/88—167689.
286/Bom/88—166907.	343/Mas/88—167060.	522/Del/88—167626.
287/Bom/88—166908.	368/Mas/88—167594.	523/Del/88—167627.
291/Bom/88—167777.	427/Mas/88—167396.	544/Del/88—167690.
302/Bom/88—167300.	465/Mas/88—167200.	
329/Bom/88—166909.	473/Mas/88—167548.	1989
351/Bom/88—166080.	478/Mas/88—167397.	33/Cal/89—167370.
11/Mas/88—166060.	493/Mas/88—167709.	120/Cal/89—166039.
18/Mas/88—167058.	509/Mas/88—167749.	528/Cal/89—167830.
39/Mas/88—166929.	515/Mas/88—167578.	580/Cal/89—167376.
46/Mas/88—167349.	519/Mas/88—167579.	10/Bom/89—167529.
56/Mas/88—167288.	536/Mas/88—167290.	21/Bom/89—167530.
68/Mas/88—166499.	555/Mas/88—167549.	22/Bom/89—167778.
73/Mas/88—166959.	556/Mas/88—167550.	25/Bom/89—167779.
103/Mas/88—167460.	594/Mas/88—167606.	76/Bom/89—167139.
107/Mas/88—166944.	609/Mas/88—167595.	77/Bom/89—167140.
108/Mas/88—166819.	611/Mas/88—167848.	122/Bom/89—167780.
112/Mas/88—166960.	612/Mas/88—167596.	349/Bom/89—166810.
125/Mas/88—166610.	613/Mas/88—167597.	07/Mas/89—166940.
135/Mas/88—166820.	620/Mas/88—167398.	62/Mas/89—167350.
140/Mas/88—166945.	623/Mas/88—166699.	74/Mas/89—167610.
149/Mas/88—166945.	624/Mas/88—166700.	46/Del/89—167732.
180/Mas/88—167128.	626/Mas/88—167607.	189/Del/89—166654.
181/Mas/88—167129.	651/Mas/88—167598.	214/Del/89—167628.
182/Mas/88—167130.	657/Mas/88—167599.	215/Del/89—167629.
183/Mas/88—167196.	672/Mas/88—167850.	216/Del/89—167630.
192/Mas/88—167100.	673/Mas/88—167750.	390/Del/89—166656.
197/Mas/88—166946.	675/Mas/88—167608.	689/Del/89—165803.
205/Mas/88—166947.	682/Mas/88—167720.	
206/Mas/88—167593.	688/Mas/88—167399.	1990
208/Mas/88—167531.	695/Mas/88—167600.	71/Cal/90—166890.
220/Mas/88—166948.	735/Mas/88—167580.	
	754/Mas/88—167609.	

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration of the design included in the entry.

Class 1. No. 164819. Sagar Vishnu Jog of Lunar Enterprise at Antaral, Plot No. 464/B/2, Block No. 1, Ganeshkhind Road, Pune-411416, Maharashtra, India. "Milling Machine". September 28, 1992.

Class 1. No. 165059. Raju Khara, Indian of 27, Weston Street, Room No. 301, 3rd floor, Calcutta-700012, West Bengal, India. "Torch". November 30, 1992.

Class 1. No. 165060. Raju Khara, Indian of 27, Weston Street, Room No. 301, 3rd floor, Calcutta-700012, West Bengal, India. "Torch". November 30, 1992.

Class 3. No. 164656. Minni Trading Corporation of 5-B, Kanchan Villa, Coraswadi, Malad (West) Bombay-64, Maharashtra, India, Indian Partnership Firm. "Bottle". August 6, 1992.

Class 3. No. 164927. MRF Limited, Indian Company of 124, Greams Road, Madras-600006, T.N., India. "Pre-cured Tread Rubber". November 3, 1992.

Class 12. No. 164645. Richie Rich Products. A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001 India, Indian Sole Proprietary Firm. "Wall clock-toy made of fabrics". July 31, 1992.

R. A. ACHARYA
Controller General of Patents Designs
And Trade Marks.

